Sequence Sequence Sequence

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1 MKENVASSATVFTLLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGGLPTNY 60
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        99.1%; Score 1155.5; DB 3; Length 99.5%; Pred. No. 1.8e-116; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                          Sequence 14, Application US/08806597A
Patent No. 6083714
GENERAL INFORMATION:
APPLICANT: KELLY, Paul A. and NAGANO, Makoto
TITLE OF INVENTION: SOLUBLE HUMAN FROLACTIN RECEPTORS
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: H19 Seventh Street, N.W., Suite 300
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                               ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IRM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/806,597A
                                US-09-000-145-5
US-09-000-145-3
US-09-120-601-6
US-09-120-601-6
US-09-043-785-1
US-09-043-785-1
US-08-06-597A-6
US-08-24-982A-6
US-08-24-982A-6
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US-08-24-982A-6
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PCT-US95-03731-3
US-08-224-982-4
US-08-468-580-4
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PRIOR APPLICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/012,503
FILING DATE: 29 February 1996
ATTORNEY/AGENT INFORMATION:
NAME: BROWDY, ROGER L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: KELLY=1A
TELECOMMUNICATION INFORMATION:
TELEFAX: 202-737-3528
TELEFAX: 202-737-3528
TELEFAX: 202-737-3528
TELEFAX: COARACTERISTICS:
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amino acid
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Matches 210; Conservative
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MOLECULE TYPE: protein

US-08-806-597A-14
CITY: Washingt
STATE: D.C.
COUNTRY: USA
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                                                                                                                                                                                                                                                                                                   US-08-806-597A-14
 Query Match
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Sequence 4, 3
Sequence 6, 3
Sequence 8, 3
Sequence 8, 3
Sequence 6, 4
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Sequence 25, Sequence 26, Sequence 21, Sequence 17, Sequence 17, Sequence 17, Sequence 17,
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1 MKENVASATVFTLLIFLNTC......KILSLHPGQKYLVQVRCKPD
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/cgn2_6/ptodata/2/jaa/5B_COMB.pep:*
/cgn2_6/ptodata/2/jaa/6A_COMB.pep:*
/cgn2_6/ptodata/2/jaa/6B_COMB.pep:*
/cgn2_6/ptodata/2/jaa/PCTUS_COMB.pep:*
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                GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd
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US-09-000-145-4
US-09-000-145-4
US-08-90-428A-8
US-08-970-428A-8
US-08-970-428A-4
US-09-071-224-25
US-09-071-224-25
US-09-071-224-26
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US-09-071-224-27
US-09-071-224-28
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Maximum Match 100%
Listing first 45 summaries

    protein search, using sw model

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Gapop 10.0 , Gapext 0.5
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Maximum DB seq length: 200000000
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Match Length DB
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Sequence 4, Application US/09000145

Factor to . 616917

APPLICANT: GANUTION:

APPLICANT: CARORATION:

APPLICANT: CREATT; Martine

APPLICANT: CREATT; Martine

TITLE OF INVENTION: USE OF A PROLACTIN RECEPTOR OR GROWTH HORMONE RECEPTOR

TITLE OF INVENTION: USE 0984-0047-0XPCT

CURRENT APPLICATION NUMBER: US/09/000,145

CURRENT FILING DATE: 1998-03-16

EARLIER APPLICATION NUMBER: PCT/FR96/01237

EARLIER APPLICATION NUMBER: PCT/FR96/01237

EARLIER APPLICATION NUMBER: PS 95/09420

NUMBER OF SEQ ID NOS: 6

SOFTWARE: Patentin Ver: 2.0

SEQ ID NO 4
                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: DEVAUCHELLE, Gerrard
APPLICANT: GARNER, Laurence
APPLICANT: CRUTTI, Martine
TITLE OF INVENTION: USE OF A PROLACTIN RECEPTOR OR GROWTH HORMONE RECEPTOR
TITLE OF INVENTION: UNTRACYTOPLASMIC DOMAIN FOR ACHIEVING PROTEIN SECRETION
CURRENT APPLICATION NUMBER: DC7/6799/000,145
CURRENT FILING DATE: 1998-03-16
EARLIER PELLING DATE: 1996-08-02
EARLIER PELLING DATE: 1996-08-02
EARLIER PILING DATE: 1995-08-02
SARLIER PELLING DATE: 1995-08-02
SOFTWARE: PARENT NUMBER: C. 2.0
SOFTWARE: PARENT NUMBER: C. 2.0
SOFTWARE: PARENT NUMBER: C. 2.0
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99.5%; Pred. No. 6.1e-104;
live 0; Mismatches 0; I
   180 EIHFAGQQTEFKILSLHPGQKYLVQVRCKPD 210
                                                 181 EIHFAGOOTEFKILSLHPGOKYLVQVRCKPD 211
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Best Local Similarity 99.5'
Matches 187; Conservative
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ORGANISM: Homo sapiens
US-09-000-145-2
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US-09-000-145-2
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US-09-000-145-4
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                                      61 SLTYHREGETLMHECPDXITGGPNSCHFGKQYTSMWRTYIMMVNATNGMGSSFSDELYVD 120
SLIYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNA¶\QMGSSFSDELYVD 119
                                                                                                                                                                        121 VTYIVQPDPPLELAVEVKQPEDRKPYLMIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEW 180
                                                                                                                              120 VIYIVQPDPPLELAVEVKQPEDRKPYLWIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEW 179
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99.1%; Score 1155.5; DB 3; Length

Best Local Similarity 99.5%; Pred. No. 1.8e-116;

Matches 210; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION TELLY, Paul A. and NAGANO, Makoto
TITLE OF INVENTION: SOLUBLE HUMAN PROLACTIN RECEPTORS
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 300
CITY: Washington
STATE: D.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER EADABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: BLAD FLOD GISH
COMPUTER: Patent In PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/970,428A
FILING DATE: 14-NOV-1997
PROR APPLICATION DATA:
APPLICATION NUMBER: US 60/012,503
FILING DATE: 29-FEB-1996
PROR APPLICATION DATA:
APPLICATION NUMBER: US 08/806,597
FILING DATE: 26-FEB-1997
ATTONNEY/AGENT INFORMATION:
REGISTRATION NUMBER: 37,971
REFERENCE/DOCKET NUMBER: 37,971
REFERENCE/DOCKET
                                                                                                                                                                                                                                                                180 EIHFAGQQTEFKILSLHPGQKYLVQVRCKPD 210
                                                                                                                                                                                                                                                                                                      181 EIHFAGQOTEFKILSLHPGQKYLVQVRCKPD 211
                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 2
US-08-970-428A-14
Sequence 14, Application US/08970428A
Patent No. 6083753
GENERAL INFORMATION:
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amino acid
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## Patent No. 6169172

## Patent Canner Calaire

## Patent Canner Calaire

## Patent Canner Calaire

## Patent No. 6160172

## Patent No. 6160172

## Patent No. 6160172

## Patent No. 6160172

## Patent No. 6160173

## Patent No. 61601
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    61 NSCFFSKQYTSIWKIYIITVNATNQMGSSSSDPLYVDVTXIVEPEPPRNLTLEVKQLKDK 120
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            61 NSCYFSKKHTSIWTIYIITVNATNQMGSSVSDPRYVDVTYIVEPDPPVNLTLEVKHPEDR 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  84 NSCHFGKOYTSMWRTYIMMVNAT-QMGSSFSDELYVDVTYIVQPDPPLELAVEVKQPEDR 142
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             KPYLWIKWSPPTLIDLKTGWFTLLYBIRLKPEKAABWEIHFAGOQTBFKILSLHPGQKYL 202
                                                                                                                                                                                                                                                                                                                                                    1 GQSPPGKPFIFKCRSPEKETFTCWRPGADGGLPINYILTYHKEGETITHECPDYKTGGP 60
                                                                                                                                                                                                                                                                                                               83
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                                                                                                                                                                                                                                                                                                           24 GOLPPGKPEIFKCRSPNKEIFTCWWRPGTDGGLPTNYSLIYHREGETLMHECPDYITGGP
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                                                                                                                                                                      Length 593;
                                                                                                                                                                                                                                         Indels
                                                                                                                                                                      Query Match 74.1%; Score 863.5; DB 3; Best Local Similarity 79.3%; Pred. No. 1.3e-84; Matches 149; Conservative 18; Mismatches 20;
LENGTH: 593
TYPE: PRT
ORGANISM: Oryctolagus cuniculus
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US-09-000-145-6
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US-09-000-145-6
                                                                                                       US-09-000-145-4
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61 SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVD 119
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US-08-970-428A-8
is Sequence 8, Application US/08970428A
is Patent No. 6083753
is GENERAL INFORMATION:
APPLICANT: RELLY Baul A. and NAGANO, MAKOTO
TITLE OF INVENTION: SOLUBLE HUMAN PROLACTIN RECEPTORS
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 300
CITY: Washington
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58.2%; Score 679; DB 3; Length 13.

Best Local Similarity 96.9%; Pred. No. 1.4e-65;

Matches 125; Conservative 0; Mismatches 0; Indels
Sequence 8, Application US/08806597A
Patent No. 6083714
GENERAL INPORMATION:
APPLICANT KELLY, Paul A. and NACANO, MAKOCO
TITLE OF INVENTION:
NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
                                                                                                                                                                                                                                                                                                                                       CALP: 20004

CAPPUTER: READABLE FORM:
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
COMPUTER: DE PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/806,597A
FILING DATE:
CLASSIFICATION DATA:
APPLICATION NUMBER: US 60/012,503
FILING DATE: 29 February 1996
ATTORNEY/AGENT INFORMATION:
NAME: BROWDY, ROGER L.
REGISTRATION NUMBER: 25.618
REFERENCE/DOCKET NUMBER: KELLY=1A
TELEPHONE: 202-628-5197
TELEPHONE: 202-628-5197
TELEPHONE: 202-737-3528
SEQUENCE CHARACTERISTICS:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                         E: BROWDY AND NEIMARK
419 Seventh Street, N.W., Suite 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    134 amino acids
amino acid
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CITY: Washington
STATE: D.C.
COUNTRY: USA
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KELLY=1A
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       FILING DATE: 29 February 1996 ATTORNEY/AGENT INFORMATION:
                                                      NAME: BROWDY, ROGER L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: KELL
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: YUN, Allen C. REGISTRATION NUMBER: 37,971
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 95.8%;
Matches 69; Conservative
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INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                           INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 118 amino acid
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amino acid
GY: linear
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// MOLECULE TYPE: protein

US-08-806-597A-4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 4, Application US/08806597A; Sequence 4, Application US/08806597A; Sequence 6. Application US/08806597A; Patent No. 6083714; GENERAL INFORMATION: APPLICANT: KELLY, Paul A. and NAGANO, Makoto TITLE OF INVENTION: SOLUBLE HUMAN PROLACTIN RECEPTORS; NUMBER OF SEQUENCES: 14 CORRESPONDENCE ADDRESS: ADDRESSEE: BROWDY AND NEIMARK STREET: 419 Seventh Street, N.W., Suite 300; CITY: Washington STATE: D.C.
                                                                                                       CUREALING SISIEM: EL-EUCS/MS-EUCS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/970,428A
FILING DATE: 14-NOV-1997
APPLICATION NUMBER: US 08/06,597
FILING APPLICATION DATA:
APPLICATION NUMBER: US 08/06,597
FILING APPLICATION NUMBER: US 08/06,597
ATTORNEY/AGENT INFORMATION:
NAME: YUN, Allen C.
REGISTRATION NUMBER: KELLY-1B
RESERENCE/DOCKET NUMBER: KELLY-1B
TELEPRAK: 202-628-5197
TELEPRAK: 202-177-35.8
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/806,597A
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CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/012,503
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ZIP: 2004
COMPUTER READABLE FORM:
MEDIUM TYPE: Flopy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear
MOLECULE TYPE: protein
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US-08-806-597A-4
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                                                  1 MKENVASATVFTLLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGGLPTNY
                            Gaps
                            ;
0
  Length 118;
                            2; Indels
                                                                                                                                                                                             Sequence 4, Application US/08970428A
Patent No. 6083753
GENERAL INFORMATION:
APPLICANT: KELLY, Paul A. and NAGANO, Makoto
TITLE OF INVENTION: SOLUBLE HUMAN PROLACTIN RECEPTORS
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 300
CITY: Washington
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Pred. No. 3.8e-34;
1; Mismatches 2;
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86 ILAGSCLYVG-LPPEKPVNISCWSKNMKDLTCRWTPGAHGETFLHTNYSLKYKLRWYGQD 144
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                                         132 LAV-EVKQPEDRKPYLMIKWSPPTLIDLKTGWPTLLYEIRLKPEKAAEWE-IHFAGQQTE 189
145 NTCEDYHTVGPHSCHIPKD-LALFTPYEIWVEATNRLGSARSDVLTLDILDVVYTTDPPPD 203
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: FascECO for Windows Version 2.0 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/071,224
                                                                                                                                                                                                                                                                                                                                APPLICANT: Dek, Si
APPLICANT: Presnell, Scott R.
APPLICANT: Jelmberg, Anna C.
APPLICANT: Gilbert, Teresa
APPLICANT: Foster, Donald C.
APPLICANT: Adams, Robyn L.
APPLICANT: Adams, Robyn L.
APPLICANT: Lehner, Joyce M.
TITLE OF INVENTION: MAMMALIAN ZCYTORS
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
ADDRESSEB: Zymogenetics
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Lunn, Paul G
REJESTRATION NUMBER: 32,743
REFERENCE/DOCKET NUMBER: 96-22
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                       Sequence 26, Application US/09071224 Patent No. 6271343 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3: Zymogenetics
1201 Eastlake Ave East
                                                                                                                                                                      259 CRLAGLKPGTVÝFVQVŘCNP 278
                                                                                                                             190 FKILSLHPGQKYLVQVRCKP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ZIP: 98102
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMFUTER: IBM Compatible
OPERATING SYSTEM: DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          INFORMATION FOR SEQ ID NO: 2
SEQUENCE CHARACTERISTICS:
LENGTH: 389 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 38.0
Matches 76; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: 206-442-6678
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Seattle
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEPHONE:
                                                                                                                                                                                                                                      RESULT 11
US-09-071-224-26
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             15 LFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGG--LPTNYSLTYHREGETLM
                                                                                              1 MKENVASATVFTLILFLNTCLLNGQLPPGKPBIFKCRSPNKETFTCWWRPGTDGGLPTNY
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             Query Match 33.2%; Score 387; DB 3; Length 118; Best Local Similarity 95.8%; Pred. No. 3.8e-34; Matches 69; Conservative 1; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: FASTEM: DOS
SOFTWARE: FASTESO for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/071,224
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Desnell, Scott R.
APPLICANT: Presnell, Scott R.
APPLICANT: Jelmberg, Anna C.
APPLICANT: Gibber, Teresa
APPLICANT: Foster, Donald C.
APPLICANT: Adams, Robyn L.
APPLICANT: Lehner, Joyce M.
TITLE OF INVENTION: MAMMALIAN ZCYTORS
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
ADDRESSEE: Zymogenetics
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   E: Zymogenetics
1201 Eastlake Ave East
                                                                                                                                                                                                                                                                                                                         Sequence 25, Application US/09071224
Patent No. 6271343
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME: Lunn, Paul G
REGIESTRATION NUMBER: 32,743
REFERENCE/DOCKET NUMBER: 96.
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          INFORWATION FOR SEQ ID NO: 25:
SEQUENCE CHARACTERISTICS:
LENGTH: 389 amino acids
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STATE: WA
COUNTRY: USA
ZIP: 98.02
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM COMPALISIE
OPERATING SYSTEM: DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ATTORNEY/AGENT INFORMATION:
NAME: Lunn, Paul G
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          76; Conservative
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                                                                                                                                                                                                                      61 SLTYHREGSILL 72
                                                                                                                                                                                 61 SLTYHREGETLM 72
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PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
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Best Local Similarity
Matches 76; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STREET: 1201 E
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEPHONE:
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US-09-071-224-25
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204 VHVSRVGGLEDQLSVRWV--SPPALKDF---LFQAKYQIRYRVEDSVDWKVVDDVSNQTS 258
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      145 NTCEEYHTVGPHSCHIPKD-LALFTPYEIWVEATNRLGSARSDVLTLDILDVVTTDPPPE 203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         132 LAV-EVKOPEDRKPYLWIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEWE-IHFAGOOTE 189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        15 LFLNICLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGG--LPTNYSLTYHREGETLM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  86 ILAGSCLYVG-LPPEKPVNISCWSKAMKDLTCRWTPGAHGETFLHTNYSLKYKLRWYGQD
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          25.4%; Score 296; DB 3; Length 385; 38.0%; Pred. No. 1.36-23; Live 27; Mismatches 85; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OPERATING SYSTEM: DOS
SURFUARRE: FRSEUSO for Windows Version 2.0
SURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/071,224
                                                                                                                                                                                                                      APPLICANT: Lok, Si
APPLICANT: Lok, Si
APPLICANT: Presnell, Scott R.
APPLICANT: Jelnberg, Anna C.
APPLICANT: Gilbert, Teresa
APPLICANT: Goster, Donald C.
APPLICANT: Adams, Robyn L.
APPLICANT: Lehner, Joyce M.
TILLE OF INVENTION: MAMMALIAN ZCYTORS
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
STREFT
STREFT
                                                                                                                                                                                         Sequence 20, Application US/09071224
Patent No. 6271343
GENERAL INFORMATION:
APPLICANT: LOK, SI
                                                  190 FKILSLHPGQKYLVQVRCKP 209
                                                                                        259 CRLAGLKPGTVYFVQVRCNP 278
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Lunn, Paul G
REGISTRATION NUMBER: 32,743
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           REFERENCE/DOCKET NUMBER: 96
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-442-6627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 385 amino acids
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ZIF: 98102
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM COMPAtible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 38.09
Matches 76; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEFAX: 206-442-6678 TELEX:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Seattle
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                                                                                                                                                                            US-09-071-224-20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CITY:
STATE:
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LAV-EVKOPEDRKPYLWIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEWE-IHFAGQQTE 189
                            86 ILAGSCLYVG-LPPEKPVNISCWSKNMKDLICRWTPGAHGETFLHTNYSLKYKLRWYGQD 144
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        73 HECPDYITGGPNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVDVTYIVQPDPPLE 131
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           15 LFLNTCLINGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGG--LPTNYSLTYHREGETLM 72
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 25.4%; Score 296; DB 3; Length 303; Best Local Similarity 38.0%; Pred. No. 9.5e-24; Matches 76; Conservative 27; Mismatches 85; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ZIP: 98102
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEC for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/071,224
                                                                                                                                                          Sequence 21, Application US/09071224

Sequence 21, Application US/09071224

Sequence 21, Application US/09071224

Septent No. 6271343

APPLICANT: Lok, Si
APPLICANT: Presnell, Scott R.
APPLICANT: Jellberg, Anna C.
APPLICANT: Jellberg, Anna C.
APPLICANT: Jellberg, Donald C.
APPLICANT: Adams, Robyn L.
APPLICANT: Adams, Robyn L.
TITLE OF INVENTION: MAMALIAN ZCYTORS
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
ADDRESSEE: Zymogener:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ATTORNEY/AGENT INFORMATION:
NAME: Lunn, Paul G
REGISTRATION NUMBER: 32,743
REFRENCE/DOCKET NUMBER: 96-22
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-442-6627
TELEPAX: 206-442-6678
                                                                                                                259 CRLAGLKPGTVYFVQVRCNP 278
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AUDRESSEE: Zymogenetics
STREET: 1201 Eastlake Ave East
CITY: Seattle
                                                                                 190 FKILSLHPGQKYLVQVRCKP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 303 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE:
CLASSIFICATION:
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STATE:
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262 CRLAGLKPGTVYFVQVRCNP 281

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FKILSLHPGOKYLVQVRCKP 209

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MOLECULE TYPE: protein
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          12:
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25.4%; Score 296; DB 3;
Best Local Similarity 38.0%; Pred. No. 1.3e-23;
Matches 76; Conservative 27; Mismatches 85.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READBLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/071,224
FILING DATE:
CLASSIFICATION DATA:
APPLICATION NUMBER: 32,743
ATTOMNEY/AGENT INFORMATION:
NAME: Lunn, Paul G
REGISTRATION NUMBER: 32,743
REFERENCE/DOCKET NUMBER: 96-22
TELECOMMUNICATION INFORMATION:
TELEFRANCE/DOCKET NUMBER: 96-22
TELECOMMUNICATION INFORMATION:
TELEFRANCE/DOCKET NUMBER: 96-27
                                                                                                                                                                                            APPLICANT: Dresnell, Scott R.
APPLICANT: Presnell, Scott R.
APPLICANT: Jelmberg, Anna C.
APPLICANT: Jelmberg, Anna C.
APPLICANT: Jelmberg, Anna C.
APPLICANT: Jelmberg, Donald C.
APPLICANT: Foster, Donald C.
APPLICANT: Lehner, Joyce M.
TITLE OF INVENTION: WAMMALIAN ZCYTORS
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
ADDRESSEE: Zymogenetics
STREET: 1201 Eastlake Ave East
CITY: Seattle
STATE: WA
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                190 FKILSLHPGQKYLVQVRCKP 209 :: | | | | | | | | |
259 CRLAGLKPGTVYFVQVRCNP 278
                                                                                                                          Sequence 17, Application US/09071224 Patent No. 6271343
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 388 amino acids
TYPE: amino acid
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132 LAV-EVKQPEDRKPYLMIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEWE-IHFAGQQTE 189
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: FastSEQ for Windows Version 2.0 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/071 224
APTITION NUMBER: US/09/071 224
us-09-071-224-27
; sequence 27, Application US/09071224
; Patent No. 6271343
; GENERAL INFORMATION;
; APPLICANT: Lok, Si
APPLICANT: Presnell, Scott R.
; APPLICANT: Gilbert, Anna C.
APPLICANT: Gilbert, Donald C.
APPLICANT: Golbert, Donald C.
APPLICANT: Roster, Donald C.
APPLICANT: Lohner, Joyce M.
TITLE OF INVENTION: MARMALIAN ZCYTORS
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
ADDRESSONDENCE ADDRESS:
STREET: C. MAGGENEY: C. STREET: C. MAGGENEY: C. MAGG
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CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY AGENT INFORMATION:
NAME: Lunn, Paul G
REGISTRATION WUMBER: 32,743
REGISTRATION NUMBER: 96-22
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-442-6627
TELEPAX: 206-442-6678
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              INFORMATION FOR SEQ ID NO: 27: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
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amino acid
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Search completed: May 12, 2004, 16:20:03 Job time : 23 secs

us-10-029-079-3.rag

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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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using sw model protein search, OM protein May 12, 2004, 16:10:55 ; Search time 61 Seconds (without alignments) 972.705 Million cell updates/sec Run on:

Title: Perfect score:

US-10-029-079-3 1166 1 MKENVASATVFTLLFLNTC......KILSLHPGQKYLVQVRCKPD 210 Sequence:

Gapop 10.0 , Gapext 0.5 Scoring table:

1586107 seqs, 282547505 residues Searched:

Total number of hits satisfying chosen parameters: seq length: 0 seq length: 200000000 Minimum DB Maximum DB

1586107

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

geneseqp1980s: *
geneseqp2000s: *
geneseqp2001s: *
geneseqp2001s: *
geneseqp2003s: *
geneseqp2003as: * A Geneseq 29Jan04:* 1: geneseqp1980s:* Database

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

geneseqp2004s:*

SUMMARIES

| Description | Abg70827 Human rec | N | Aay95527 Human pro | 0795 Human | 555 Breast | Aau99354 Human pro | Abr47567 Breast ca | 355 | Aar24273 Truncated | 2 | Ade28697 Human NOV | 918 Soluble | Soluble | 121 Tilapia | Tilapia | Aay96916 Soluble h | 4 Solubl | 7 Human | Aaw70848 Human 2cy | Aaw70843 Human Zcy | Aaw70842 Human Zcy | Aaw70839 Human Zcy | Aaw70849 Human 2cy | Aaw70853 Human 2cy | Aaw70860 Human Zcy |
|---------------------|--------------------|----------|--------------------|------------|------------|--------------------|--------------------|----------|--------------------|----------|--------------------|-------------|----------|-------------|----------|--------------------|----------|----------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| QI | ABG70827 | AAY96921 | AAY95527 | AAR10795 | ABJ05555 | AAU99354 | ABR47567 | AAU99355 | AAR24273 | AAR22228 | ADE28697 | Н | AAY95526 | AAR93121 | AAR93120 | AAY96916 | AAY95524 | AAW70847 | AAW70848 | AAW70843 | AAW70842 | AAW70839 | AAW70849 | AAW70853 | AAW70860 |
| DB | | | | | Ŋ | | | | | | | | | | | | | | | | | | | | |
| Length | 210 | 349 | 349 | 622 | 622 | 622 | 622 | 622 | 211 | 211 | 597 | 134 | 134 | 909 | 630 | 118 | 118 | 389 | 389 | 303 | 385 | 388 | 389 | 389 | 422 |
| % Query Match | | σ | σ | 6 | 99.1 | σ | σ | σ | œ | œ | マ | œ | œ | 7 | 7 | m | 3 | S | S | ß | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 |
| Score | 116 | 55. | 155. | 55. | 155 | 55. | 155. | 54. | 036. | 36. | œ | _ | | | 49. | α | ထ | O. | σ | σ | g, | o | σ | O. | σı. |
| Result No. | | 7 | m | 4 | Ŋ | 9 | 7 | ω | σ | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |

The invention discloses a human prolactin-binding protein (PRLBP). Both the prolactin receptor (PRLR) and the growth hormone receptor (GHR) are single chain transmembrane proteins. The hormones prolactin (PRL) and

Disclosure; Page 6; 13pp; English.

| Aar25244 Truncated Aaw70852 Human Zcy Aaw70851 Human Zcy Aaw70846 Human Zcy | Human S Human S Amino | Aae00824 Human NR6 Aaw70844 Human Zcy Aaw70840 Human Zcy | Amino Human Human Human | 7 Human 9 Human 5 Murine | Aay05782 Human typ Aay06479 Human tum Aay17825 Human PRO |
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ALIGNMENTS

Human; prolactin-binding protein; PRLBP; prolactin receptor; PRLR; growth hormone receptor; GHR; transmembrane protein; hormone; prolactin; PRL; growth hormone; GH; homodimerisation; receptor-associated kinase; signalling cascade; rhPRLBP; recombinant hPRLBP; extracellular domain; ECD; cancer; Nb2; cellular proliferation; diagnosis; somatolactogenic; pituitary adenoma; hyperprolactinaemia; gigantism; acromegaly; esteopathic. Novel human prolactin-binding protein, useful for modulating somatolactogenic function and for inhibiting Nb2 cells in animals Human recombinant prolactin-binding protein, rhPRLBP Misc-difference 106. .107 /note= "Encoded by ACTAACCAG" ABG70827 standard; protein; 210 AA 21-DEC-2001; 2001US-00029079. 22-DEC-2000; 2000US-0258285P. (first entry) Clevenger CV, Kline JB; (CLEV/) CLEVENGER C V. (KLIN/) KLINE J B. WPI; 2002-750044/81. N-PSDB; ABS55241. US2002119154-A1 Homo sapiens. 17-DEC-2002 29-AUG-2002. ABG70827; RESULT 1 ABG70827

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growth hormone (GH) exert their effects by inducing the homodimerisation of their respective receptors, initiating the activation of receptor-associated kinases and signalling cascades. The human RLBD (hPRLBP) was identified in human serum and is homologous to the extracellular domain cELD) of PRLB. A recombinant hPRLBP has been shown to inhibit PRL-induced cellular proliferation of Nb2 (not defined). The PRLBP, or composition containing it, is useful for inhibiting Nb2 cells, for diagnosing disease or conditions associated with sometolactogenic function, for raising an anti-PRLBP antibody, for treating breast and prostate cancer and for treating conditions associated with excess prolactin and growth hormone, such as plullarry adenomas, which can lead to hyperprolactinaemia or gigantism/acromegaly. The sequence presented is the human recombinant prolactin-binding protein, rhPRLBP
                                                                                                                                                                                                                                                                                                                                                                                                                SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNATQMGSSFSDELYVDV 120
                                                                                                                                                                                                                                                                                                                                                                                                                                              SLIYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMWVNATQMGSSFSDELYVDV 120
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                                                                                                                                                                                                                                                                                                                                                                              1 MKENVASATVFTLLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGGLPTNY
                                                                                                                                                                                                                                                                                                                                               MKENVASATVFTLLLFLNTCLLNGQLPPGKPEI FKCRSPNKETFTCWWRPGTDGGLPTNY
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100.0%; Pred. No. 6.7e-107;
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Best Local Similarity 100.
Matches 210; Conservative
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ARS APPLIED
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                                                                                                                                                                                                                                          Sequence 210 AA;
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the human prolactin receptor (hPRLR) isoforms have been isolated from the human gastrointestinal tract. The isoforms have a deletion in the extra or intracellular domain and are thought to be generated by a thermative splicing, since four clones (A, B, C and E) precisely lack one or two exons. Except for clone C, the deletion in all other clones cransmembrane domain. The soluble hPRLR may be used as a binding protein for human prolactin and/or human growth hormone, which can be used in the reapeauties for the detection and measurement of the binding ligand or in the repeat or inhibit their hormone activities. They may also be used in the process of monoclonal antibodies to provide solution-based radioligand creceptor assays, in receptor sandwich or enzymatic assays, and in X-ray crystallographic analysis to develop molecular models, which define the tentiary structure of the hormone-binding domains, where such information would be useful in the chance and its receptor. This structure of the actual contact between a hormone and its receptor. This structure of the actual contact between a hormone and its receptor. This structure of the actual contact between a hormone and its receptor. This structure of the actual contact between a hormone and its receptor. This structure of the actual contact between a hormone and its receptor.
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The present sequence is that of a newly identified isoform of the human prolactin receptor (PRLR), which lacks a large part of the intracellular domain (amino acids 312-503) of the full-length receptor and has a short cytoplasmic tail. 6 Isoforms (see AAA49976-82) of human PRLR have been identified in human colonic Caco-2 and human breast cancer T-47D cells. Recombinant DNA molecules encoding the soluble PRLR proteins are provided, as well as expression vectors and host cells. The soluble PRLRs may be used as binding proteins for human prolactin and/or human growth hormone, which can be useful in diagnostics for the detection and new and/or human growth hormone activities. They may also be used in place of monoclonal commone activities. They may also be used in place of monoclonal contains to develop molecular models that define the tertiary structure analysis to develop molecular models that define the tertiary structure of the hormone-binding domains, where such information would be useful in the design it is receptor. This structure of the actual contact between a hormone and its receptor. This structure in growth hormone-like agonistic or a liberal and also and a liberal and liberal and a liberal and a liberal and a liberal and also and a
                                                                                                                                                                                                                          New recombinant DNA having a segment encoding a signal peptide joined translationally to a segment encoding a soluble human prolactin receptor useful as a hormone growth hormone binding protein, and in x-ray
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Pred. No. 1.4e-105;
0; Mismatches 0; Indels 1;
                     SYSTEMS HOLDING NV.
SANTE & RECH MEDICALE.
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                                                                                                                                                                                                                                                                                                                                                              Claim 15; Col 35-38; 27pp; English.
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Best Local Similarity 99.5
Matches 210; Conservative
                     (ISTF ) ARS APPLIED RES (INRM ) INSERM INST NAT
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                                                                                                  Kelly PA, Nagano M;
                                                                                                                                                                         N-PSDB; AAA49980
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                                                                 1 MKENVASATVFTLLFFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWMRPGTDGGLPTNY
                                                                                                             SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVD
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Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human prolactin receptor.
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receptor; PRL; assay; antibody; growth hormone.

Human prolactin

AAR10795;

Homo sapiens

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The human PRL receptor cDNA is isolated by screening a lambda gt 10 library prepared from normal human hepatoma Hep G2 and T47-D breast cancer cells. Initially, 1210 6 recombinants are screened with the cancer cells. Initially, 1210 6 recombinants are screened with the receptor. One positive recombinant was isolated from the Hep G2 library, which was later used as a probe to rescreen the library. Five additional connection of the six cDNAs, a PRL receptor cDNA of 2.5 kb was constructed, contg. a single ORF of 1866 bp. Similar partial length cDNA were isolated from the T47-D library. Several regions of sequence identity between the human growth hormone and PRL receptors can be found, both in the extracellular and cytoplasmic domains. The sequence is an important genetic engineering tool which may be used for the screening of growth hormone variants, for the development can expect the measure PRL receptor levels in human breast and prostate cancer biopsies, for the measurement of bloactive forms of prolactin, and for the development of drugs to induce stimulation or inhibition of
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                                                                                                                                                                                                                                                                                                                                                                                                                                          Isolated CDNA sequence encoding human prolactin receptor - useful for expressing the receptor, e.g. for screening assays and antibody prodn.
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                                        1. .24
/label=_sig_peptide
                                                                            25. .622
/label= mat_protein
              Location/Qualifiers
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Matches 210; Conservative
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ABJ05555
ID ABJ0
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AC ABJ0
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Mack DH, Gish KC, Afar D;

Detecting a breast cancer-associated transcript in a patient's cell, useful for diagnosing breast cancer, comprises contacting a biological sample with a polynucleotide that selectively hybridizes with breast nucleic acids. cancer

Disclosure; Page 365; 414pp; English.

The invention comprises a method of detecting a breast cancer-associated transcript in a cell from a patient. The method of the invention involves contacting a biological sample from the patient with a nuclectide that hybridises to one of the 69 breast cancer-associated gene sequences shown in the specification. The method of the invention is useful in the capacities of breast cancer cells. Genes identified by the method of the invention can be used in diagnostic purposes and also as targets for screening for therapeutic compounds that modulate breast cancer (e.g. hormones or antibodies). Identification of genes that are over or under expressed in breast cancer can additionally provide high-resolution, high-sensitivity datasets which can be used in the areas of diagnostics, therapeutics, days development, pharmacogenetics, protein structure and biosensor days development. Amino acid sequences ABJ05536 - ABJ05604 represent the proceins encoded by the 69 breast cancer-

Sequence 622 AA;

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                                                                                  1 MKENVASATVFTLLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGGLPTNY
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                                                               1 MKENVASATVFTLLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGGLPTNY
                                   Gaps
                                 1;
   5; Length 622;
                               0; Indels
 99.1%; Score 1155.5; DB 5 99.5%; Pred. No. 2.9e-105;
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180 EIHFAGQQTEFKILSLHPGQKYLVQVRCKPD 210

EIHFAGQQTEFKILSLHPGQKYLVQVRCKPD 211 181

RESULT

Human, receptor, prolactin receptor, PRLR, cytostatic, immunosuppressive, chromosome 5p14-p13, neuroendocrine hormone, prolactin, PRL, breast differentiation; puberty, pregnancy, lactation, musmary disorder, breast cancer, autoimmune disease, hyperprolactinaemia, Human prolactin receptor (PRLR) protein. Ä AAU99354 standard; protein; 622 Koshy B; (GENA-) GENAISSANCE PHARM INC. 18-DEC-2000; 2000US-0256523P. 18-DEC-2001; 2001WO-US049049. (first entry) Bieglecki KM, Duda A, WPI; 2002-528446/56. N-PSDB; ABK87971. WO200250098-A2. gene therapy 07-0CT-2002 27-JUN-2002. AAU99354; AAU99354

Novel genetic variants of Prolactin Receptor isogenes, useful for improving efficiency and reliability in drug development for treating breast cancer, autoimmune diseases and hyperprolactinemia.

Claim 27; Fig 3; 81pp; English.

The invention discloses an isolated polynucleotide and polypeptide of the human prolactin receptor (PRLR). The neuroendocrine hormone prolactin propertion receptor (PRLR). The neuroendocrine hormone prolactin (PRL) stimulates breast growth and differentiation during puberty, pregnancy and lactation. PRL has been implicated in the etiology of mammary disorders, such as breast cancer, and since PRLR mediates the disease. The polypetides are useful in screening for drugs that are useful for treating breast cancer, autoimmune diseases.

Useful for treating breast cancer, autoimmune diseases, hyperprolactinaemia and diseases associated with PRLR activity. The haplotyping method is also used by the pharmaceutical research scientist to validate PRLR as candidate target for treating these specific condition of disease associated with PRLR activity.

Treating a specific condition of disease associated with PRLR activity. Antibodies ralied against PRLR are useful in diagnostic, prognostic and therapeutic methods. The polymucleotide is useful for gene therapy and in studying the expression and function of PRLR and the effect of the single nucleotide polymorphisms (SNP) on the biological activity of PRLR. The sequence presented is the human prolactin receptor (PRLR) protein which is encoded by the gene located on chromosome 5p14-p13

Sequence 622 AA;

9 60 1 MKENVASATVFTLLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGGLPTNY 1 MKENVASATVFTLLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGGLPTNY Gaps 7; DB 5; Length 622; Query Match 99.1%; Score 1155.5; DB 5; Length Best Local Similarity 99.5%; Pred. No. 2.9e-105; Matches 210; Conservative 0; Mismatches 0; Indels ઠ

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Breast cancer diagnosis or treatment by comparing the level of expression of a marker in a patient sample with that in the control non-breast cancer sample.
                                                                       VIYIVQPDPPLELAVEVKQPEDRKPYLMIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEW 180
               SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSWWRTYIMWWNATWQMGSSFSDELYVD 120
                                                      VTYIVQPDPPLELAVEVKQPEDRKPYLWIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEW
SLIYHREGETLMHECPDYIIGGPNSCHFGKQYISMWRTYIMMVNAT-QMGSSFSDELYVD
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Wang Y, Xu Y, Zhao X, Meyers R
L, Meric F, Sahin A, Mills GB;
                                                                                                                                                                                                                                                                                                   NO:373.
                                                                                                                                                                                                                                                                                                   Breast cancer associated protein sequence SEQ ID
                                                                                                                                                                                                                                                                                                                              cancer; cytostatic; gene therapy
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                                                                                                               EIHFAGQQTEFKILSLHPGQKYLVQVRCKPD
                                                                                                                                       EIHFAGQQTEFKILSLHPGQKYLVQVRCKPD
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Pusztai L,
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2001US-0306501P.
2001US-0325002P.
2002US-0362585P.
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                                                                                                                                                                                                                                                                        (first entry)
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M, Monahan JE, h
Hortobagyi GN,
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05-MAR-2002;
14-MAY-2002;
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Mertens M,
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Score 1155.5; DB 6; Length 622; Pred. No. 2.9e-105;

99.1%;

Query Match Best Local Similarity

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                                                                                                                                                               Human, receptor; prolactin receptor; PRLR; cytostatic; immunosuppressive; chromosome 5p14-p13; neuroendocrine hormone; prolactin; PRL; breast growth; breast differentiation; puberty; pregnancy; lactation; mammary disorder; breast cancer; autoimmune disease; hyperprolactinaemia; gene therapy; single nucleotide polymorphism; SNP.
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                                                                                                                                        VTYIVQPDPPLELAVEVKQPEDRKPYLWIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEW 179
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                                                                                           SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNATNQMGSSFSDELYVD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Novel genetic variants of Prolactin Receptor isogenes, useful for improving efficiency and reliability in drug development for treating breast cancer, autoimmune diseases and hyperprolactinemia.
                                                                    SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVD
                                1 MKENVASATVFTLLLFLNTCLINGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGGLPTNY
MKENVASATVFTLLIFLNTCLLNGQLPPGKPBI FKCRSPNKETFTCWWRPGTDGGLPTNY
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human prolactin receptor (PRLR) variant protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /note= "Ile substituted by Val"
                                                                                                                                                                                                               EIHFAGQQTEFKILSLHPGQKYLVQVRCKPD 210
                                                                                                                                                                                                                                               EIHFAGQQTEFKILSLHPGQKYLVQVRCKPD 211
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                                                                                                                                                                                                                                                                                                                                          AAU99355 standard; protein; 622
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N-PSDB; ABK87971.
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Misc-difference
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conditions or diseases predicted and in the design of clinical trials for treating a specific condition of disease associated with PRLR activity. Antibodies raised against PRLR are useful in diagnostic, prognostic and therapeutic methods. The polynucleotide is useful for gene therapy and in studying the expression and function of PRLR and the effect of the single nucleotide polymorphisms (SNP) on the biological activity of PRLR. The sequence presented is the human prolactin receptor (PRLR) protein, variant #2, which is encoded by the gene located on chromosome 5pl4-pl3. Note: This sequence is not shown in the specification but was created by the indexer from information given in figure 3
                                                                                                                                                                                                                                                                                              119
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                                                                                                                                                                                                                                                                                                            SLTYHREGETLMHECDDYITGGPNSCHFGKQYTSMWRTYVMVVNATNOMGSSFSDELYVD
                                                                                                                                                                                                                                                                                                                                                                       VIYIVQPDPPLELAVEVKQPEDRKPYLMIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEW
                                                                                                                                                                                                                                                                                              SLIYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVD
                                                                                                                                                                                                                                                                                                                                                   VIYIVQPDPPLELAVEVKQPEDRKPYLWIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEW
                                                                                                                                                                                                                                       1 MKENVASATVFTLLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGGLPTNY
                                                                                                                                                                                                                                                                  MKENVASATVFTLLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGGLPTNY
                                                                                                                                                                                                             Gaps
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                                                                                                                                                                                    Length 622;
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                                                                                                                                                                                 DB 5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Truncated human prolactin binding protein variant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                hPRLbp; placental lactogen; zinc finger; chelate; receptor-ligand complex.
                                                                                                                                                                                 Score 1154.5; DB 5;
Pred. No. 3.6e-105;
1; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                         EIHFAGQQTEFKILSLHPGQKYLVQVRCKPD 210
                                                                                                                                                                                                                                                                                                                                                                                                                             BIHFAGQQTEFKILSLHPGQKYLVQVRCKPD 211
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAR24273 standard; protein; 211
                                                                                                                                                                                   99.0%;
99.1%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (first entry)
                                                                                                                                                                                 Query Match
Best Local Similarity 99.1
Matches 209; Conservative
                                                                                                                                                        Sequence 622 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Key
Misc-difference
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New method of modifying polypeptide hormone-receptor complex - to produce human growth hormone variant, useful for stimulating lactogenic and somatogenic response.

Claim 41; Page 56; 74pp; English

Wells JA;

Matthews DJ,

Lowman HB,

Fuh G,

Cunningham BC,

Bass SH,

WPI; 1992-096838/12.

(GETH) GENENTECH INC.

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This truncated human prolactin binding protein is encoded by the insert contained in plasmid phPRLbp(1-211). The hPRLbp gene fragment is transcribed under the control of the alkaline phosphatase promoter and secreted into the host (B.coli) periplasm under the direction of the still signal sequence. A stop codon and MluI restriction site were introduced after the threonine 211 codon which immediately precedes the transmembrane domain of the receptor. The plasmid was used as a template for site-directed mutagenesis to modify the metal-chelating centre of the protein. See e.g. AAR24273 for an example of a preferred variant
                                                                                                                                                                                                                                              143
                                                                                                                                                                                                                                                                           120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New method of modifying polypeptide hormone-receptor complex - to produce human growth hormone variant, useful for stimulating lactogenic and
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                                                                                                                                                                                                                                                                                                                               PYLWIKWSPPTLIDLKTGWFTLLYBIRLKPBKAAEWEIHFAGQQTEFKILSLHPGQKYLV
                                                                                                                                                                                                                                                                         SCHFGKQYTSMWRTYIMMVNATNQMGSSFSDELYVDVTYIVQPDPPLELAVEVKQPEDRK
                                                                                                                                                                                                                                                                                                             144 PYLWIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEWEIHFAGOQTEFKILSLHPGQKYLV
                                                                                                                                                                                                             1 OLPPGKPEIFKCRSPNKETFTCWWRPGTDGGLPTNYSLTYHREGETLMHECPDYITGGPN
                                                                                                                                                                                                                                            SCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVDVTYIVQPDPPLELAVEVKQPEDRK
                                                                                                                                                                                QLPPGKPEIFKCRSPNKETFTCWWRPGTDGGLPTNYSLTYHREGETLMHECPDYITGGPN
                                                                                                                                                Gaps
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Plasmid phPRLbp(1-211) (see AAR22228) coding for truncated, soluble prolactin binding protein was mutagenised such that the His codon at position 188 was substituted by an Ala codon. The hPRLbp variant has altered binding affinity for hGH
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                                                                                                                  DB 2;
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                                                                                                                 Score 1036.5; DB 2;
Pred. No. 4.3e-94;
0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Truncated human prolactin binding protein.
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                                                                                                                                Best Local Similarity 99.5
Matches 186; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                            187
                                                                                                                                                                                                                                                                                                                                                                             QVRCKPD 210
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                                                                                    Sequence 211 AA;
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                                                                                                                  Query Match
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(CURA-) CURAGEN CORP
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                                                                                                     SCHFCKQYTSMWRTYIMMMAT-QMGSSFSDELYVDVTYIVQPDPPLELAVEVKQPEDRK 143
                                                                                                                 SCHFGKQYTSMWRTYIMMYNATNQMGSSFSDELYVDVTYIVQPDPPLELAVEVKQPEDRK 120
                                                                                                                                              203
                                                                                                                                                           PYLWIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEWEIHFAGQQTEFKILSLHPGQKXLV 180
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                                                                                                                                                                                                                                                                                                                                           NOVX, antidiabetic, anorectic; cardiant; hypotensive; antiatrefioscilerotic; vincide; antibacterial; fungicide; protozoacide; nootropic; neuroprotective; antiparkinsonian; antioonvulsant; osteopathic; antiarthritic; antiinflammatory; dermatological;
                                                                                                                                                                                                                                                                                                                                                                                 antisthmatic; antilipaemic; metabolic; diabetes; obesity; infectious; anorexia; cancer; cardiovascular; hypertension; atherosclerosis; neurodegenerative; Alzheimer's disease; Parkinson's; epilepsy; immune; osteoarthritis; haemopoletic; inflammatory skin; asthma; dyslipidaemia; neurogenesis; cell differentiation; proliferation; haemopolesis; wound healing; angiogenesis; gene therapy; chromosome mapping; tissue typing; human; NOV.
                                                                                                                                              PYLWIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEWEIHFAGQQTEFKILSLHPGQKYLV
                                                                             QLPPGKPEIFKCRSPNKETFTCWWRPGTDGGLPTNYSLTYHREGETLMHECPDYITGGPN
                                                              QLPPGKPEIFKCRSPNKETFTCWWRPGTDGGLPTNYSLTYHREGETLMHECPDYITGGPN
                                           Gaps
                                          1;
                    Score 1036.5; DB 2; Length 211; Pred. No. 4.3e-94; 0; Mismatches 0; Indels 1;
                                                                                                                                                                                                                                                             ADE28697 standard; protein; 597 AA.
                                                                                                                                                                                                                                                                                                                         Human NOV18a protein - SEQ ID 74.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 20010S-0341346P
20010S-0341477P
20010S-0341540P
20010S-0342592P
20010S-0344297P
20010S-0344297P
20020S-0373288P
20020S-0373288P
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2002US-0384024P.
2002US-0401788P.
2002US-0406353P.
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2002US-0383534P.
2002US-0383744P.
                    88.9%;
99.5%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  05-NOV-2002; 2002WO-US035536
                                                                                                                                                                                                                                                                                                     (first entry)
                      Query Match
Best Local Similarity 99.5
Matches 186; Conservative
                                                                                                                                                                                       QVRCKPD 210
                                                                                                                                                                                                            QVRCKPD 187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO2003040330-A2.
    Sequence 211 AA;
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07-DEC-2001;
17-DEC-2001;
17-DEC-2001;
17-DEC-2001;
20-DEC-2001;
27-DEC-2001;
27-DEC-2001;
27-DEC-2001;
27-DEC-2001;
27-DEC-2001;
27-DEC-2002;
28-MAY-2002;
28-MAY-2002;
28-MAY-2002;
29-MAY-2002;
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The invention relates to a novel isolated NOVX polypeptide. The CC cardiant, hypotensive, antiarteriosclerotic, virucide, antibacterial, cardiant, hypotensive, antiarteriosclerotic, virucide, antibacterial, cordiant, hypotensive, antiarteriosclerotic, virucide, antibacterial, corteopathic, antiarthritic, antipflammatory, dermatological, antiasthmatic and antilipaemic activities. The copypeptides, nucleic acid molecules and antibaces may be useful for treating or diagnosing diseases including metabolic disorders such as diabetes and obesity, infectious diseases, anorexia, cancer, cardiovascular diseases including Mypertension and atherosclerosis, or eardiovascular diseases including Mypertension and atherosclerosis, cardiovascular disorders such as Alzheimer's disease, Parkinson's disease and epilepsy, immune disorders, asthma and dyslipidaemia.

CC disorders, inflammatory skin disorders, asthma and dyslipidaemia.

Cultiferentiation and proliferation, haemopoiesis, wound healing and differentiation and proliferation, haemopoiesis, wound healing and collegenesis, as well as in gene therapy. Finally, the nucleic acids may be used as hybridisation probes, in chromosome mapping, tissue typing, be used as hybridisation probes, in chromosome mapping, tissue typing, the human NOV protein of the invention.
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Alsobrook JP, Alvarez E, Anderson DW, Baron M, Boldog FL;
Burgess CE, Casman SJ, Chapoval A, Dhanabal M, Edinger SR, Eisen A;
Bllerman K, Ettenberg S, Gangolli EA, Gerlach VL, Gorman L;
Grosse WM, Guo X, Hackett C, Ji W, Kekuda R, Khramtsov NV;
Lepley DM, Li L, Macdougall JR, Malyankar UM, Mazur A, Mcqueeney K;
Mezes PS, Miller CE, Millet I, Mishra VS, Padigaru M, Patturajan M;
Pena CEA, Peyman JA, Rastelli L, Rieger DK, Shenoy SG, Shimkets RA,
Smithson G, Starling G, Spytek KA, Stone DJ, Tchernev VT, Twomlow N;
Vernet CAM, Zerhusen BD, Zhong M;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
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84.6%; Score 987; DB 7;

Best Local Similarity 87.7%; Pred. No. 1.2e-88;

Matches 185; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              210
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  EIHFAGOQTEFKILSLHPGQKYLVQVRCKPD
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                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2003-441555/41.
N-PSDB; ADE28696.
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AAY95526;

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New soluble prolactin receptors useful as human growth hormone binding protein and in x-ray crystallographic analysis for developing molecular models which define the tertiary structure of the hormone-binding
                          hPRLR; soluble; prolactin receptor; gastrointestinal; splice variant; binding protein; prolactin; growth hormone; agonist; antagonist.
                                                                                                                                            (INRM ) INSERM INST NAT SANTE & RECH MEDICALE.
(ISTF ) ARS APPLIED RES SYSTEMS HOLDING NV.
         Soluble human prolactin receptor clone E.
                                                                                                                                                                                                                                                                Claim 1; Col 31-32; 26pp; English.
                                                                                                          97US-00806597.
                                                                                                                             96US-0012503P.
                                                                                                                                                                         Nagano M;
                                                                                                                                                                                          WPI; 2000-464339/40.
N-PSDB; AAA53590.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 134 AA;
                                                                                                         26-FEB-1997;
                                                       Homo sapiens
                                                                                         04-JUL-2000.
                                                                                                                                                                                                                   soluble
                                                                                                                                                                        Kelly PA,
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Soluble human prolactin receptor (hPRLR) isoforms have been isolated from the human gastrointestinal tract. The isoforms have a deletion in the extra continuous and are thought to be generated by alternative splicing, since four clones (A. B. C and E) precisely lack one or two exons. Except for clone C, the deletion in all other clones resulted in a frameshift and produced a stop codon before the transmembrane domain. The soluble hPRLR may be used as a binding protein for human prolactin and/or human growth hormone, which can be used in the prapeutics for binding to human prolactin and/or human growth hormone or exerad or inhibit their hormone activities. They may also be used in place of monoclonal antibodies to provide solution-based radioligand receptor assays, in receptor sandwich or enzymatic assays, and in X-ray crystallographic analysis to develop molecular models, which define the tertiary structure of the hormone-binding domains, where such information would provide insight into the structural information would be useful in the contract of the actual contact between a contact and in the contact and incomment the contact information would be useful in the contact and incomments in the contact information which seed in the contact and incomments the contact between and the contact and contact between and the contact and contact between and the contact and contact between and contact and contact between the contact between the contact and contact between the contact b ld provide insight into the structure of the actual contact between a mone and its receptor. This structural information would be useful in design of peptides which have prolactin or growth hormone-like agonistic or antagonistic activity

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SLIYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMWWNAT-QMGSSFSDELYVD 119
                                                                                                                                                                              61 SLTYHREGETLAHECPDYITGGPNSCHFGKQYTSMWRTYIMMYNATNQMGSSFSDELYYD 120
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                                                                                                                     09
                                                                               1 MKENVASATVFTLLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGGLPTNY
                                                                                                           1 MKENVASATVFTLLFLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGGLPTNY
                                              Gaps
                                              4,
    58.2%; Score 679; DB 3; Length 134; 96.9%; Pred. No. 5.1e-59; ive 0; Mismatches 0; Indels
Query Match
Best Local Similarity 96.9°
Matches 125, Conservative
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The present sequence is that of a newly identified soluble isoform of the human prolactin receptor (PRLR). DNA encoding this isoform (see AAA4979) lacks exon 6 of the full-length receptor, resulting in a frameshift that produces a stop codon before the transmembrane domain. The putative receptor due to the lack of a Ws motif, but it retains 5 systeine residues that are crucial for ligand binding. 6 losforms (see AAA49976. 82) of human PRLR have been identified in human colonic Caco-2 and human residues that are provided, as well as expression vectors and host cells. The soluble PRLRs may be used as binding proteins for human prolactin and/or human growth hormone which can be useful in diagnostics for the detection and measurement of the binding ligand, or in therapeutics for binding to human prolactin and/or human growth hormone activities. They may also be used in place of monoclonal antibodies to provide solution-based radioligand receptor assays, in receptor sandwich or enzymatic assays, and in x-ray crystallographic analysis to develop may also be used in place of monoclonal antibodies to provide solution-based radioligand receptor estimate in the design of peptides that have prolactine of the actual contact between a hormone and its receptor. The structure of the actual contact between a hormone and its receptor. This structure of the actual contact between a hormone and its receptor. This structure of the actual contact between a hormone and its receptor. This structure of the actual contact between a hormone and its receptor. The structure of the actual contact between a hormone and its receptor. The structure of the actual contact between a hormone and its receptor. The structure of the actual contact between a hormone and its receptor. The structure of the actual contact between a hormone and its receptor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New recombinant DNA having a segment encoding a signal peptide joined translationally to a segment encoding a soluble human prolactin receptor useful as a hormone growth hormone binding protein, and in x-ray
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SYSTEMS HOLDING NV.
SANTE & RECH MEDICALE.
                                                                                                          Soluble isoform of human prolactin receptor.
                                                                                                                                                     Prolactin receptor; PRLR; human; isoform
                                                                                                                                                                                                                                                                    1. .24
/label= Signal_peptide
                                                                                                                                                                                                                                                                                                                              /label= Soluble_PRLR
                                                                                                                                                                                                                                             Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        96US-0012503P.
97US-00806597.
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                                                                  (first entry)
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N-PSDB; AAA49979.
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                                                                                                                                                                                                   Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            14-NOV-1997;
                                                                  10-OCT-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        29-FEB-1996;
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                                                                                                                                                                                                                                                               Peptide
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MKENVASATVFTLLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGGLPTNY

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Query Match 58.2%; Score 679; DB 3; L. Best Local Similarity 96.9%; Pred. No. 5.1e-59; Matches 125; Conservative 0; Mismatches 0;

3

Gaps

Length 134;

9

4, Indels

AAY95526 standard; protein; 134 AA.

VTYI---DP 126

RESULT 13 AAY95526 ID AAY95

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                              SLIYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMYNATNQMGSSFSDELYVD 120
                   SLIYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMWNAT-QMGSSFSDELYVD 119
1 MKENVASATVFTLLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGGLPTNY 60
                                                                                                                                                                                                                                                                                                                                                                                                                  /label= cytoplasmic
/label= cytoplasmic
/lote= "alightly longer than mammalian PRL receptor
245. 250
/label= Box 1
/note= "proline-rich region highly conserved among
receptors for cytokines, growth hormones and prolactin
and is critical for signal transduction"
                                                                                                                                                                                                                                    Location/Qualifiers

1. .606
/label= prolactin_receptor
1. .210
/label= extracellular
/label= extracellular
/label= eglycosylation_site
/label= glycosylation_site
/note = "potential"
/ 77 . 79
/label= glycosylation_site
/note = "potential"
/label= ligand binding motif
/note = "conforms to Trp-Ser consensus"
211. .234
/label= transmembrane
                                                                                                                                                                                                     Fish prolactin, tiPRL, receptor, hormone, agonist, antagonist, reproductive cycle synchronisation, teleost, bony fish, Cypriniformes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               - useful for detecting prolactin agonists and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (INRM ) INSERM INST NAT SANTE & RECH MEDICALE.
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                                                                                                                                                                                     Tilapia prolactin receptor (mature form)
                                                                                                                           AAR93121 standard; protein; 606 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          94FR-00010535
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                                                           VIXIVQPDP 128
                                                                        VIYI --- DP 126
                                                                                                                                                                                                                                  niloticus.
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N-PSDB; AAT17141.
                                                                                                                                                                                                                                                                                                              Modified-site
                                                                                                                                                                                                                                                                                                                                           Modified-site
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                                                                                                                                               AAR93121
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A cDNA sequence coding for a fish prolactin (PRL) receptor was isolated from a Oreochromis niloticus (tilapia) kidney cDNA expression library following screening with radioactive tiPRL. The cDNA insert was found to contain an open reading frame for a 630 amino acid protein. The mature protein (606 amino acids) has estimated mol. wt. 68.2 kDa and isoalectric point 5.53. Transformed eukaryotic cells expressing the PRL receptor are useful for identifying agonists and antagonists of FRL which have potential applications in fish farming, e.g. for synchronising reproductive cycles. The present sequence is that of the mature PRL receptor from tilapia
                                                                                                                                                                                                                                                                                                                                                                                                                               124 RVSWEPPRKADTRSGWITLIYELRVKLEDEESEWENHAAGQQKMFNIFSLRSGGTYLIQV 183
                                                                                                                                                                                                                                                                                                              64
                                                                                                                                                                                                                                                                                                    Fish prolactin; tiPRL; receptor; hormone; agonist; antagonist; reproductive cycle synchronisation; teleost; bony fish; Cypriniformes.
                                                                                                                                                                                                                                                                                                                                                FCKQYTSMWRTYIMMVNATQ-MGSSFSDELYVDVTYIVQPDPPLELAVEVKQPEDRKPYL
                                                                                                                                                                                                                                                                                                                                                                                                              147 WIKWSPPTLIDLKTGWFTLLYEIRLKPE-KAAEWEIHFAGOOTEFKILSLHPGOKYLVQV
                                                                                                                                                                                                                                                                                 PGKPEIFKCRSPNKETFTCWWRPGTDGGLPTNYSLTYHREGETLMHECPDYITGGPNSCH
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/label= Box 1
/note= "proline-rich region highly conserved among
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// Jabel= glycosylation_site
// Incte= "potential"
// Incte= "potential"
// Incte= "potential"
// Incte= "gotential"
// Incte= "conforms to Trp-Ser consensus"
                                                                                                                                                                                                                    Length 606;
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/label= cytoplasmic
/note= "slightly longer than mammalian PRL
cytoplasmic domain"
                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                  47.1%; Score 549.5; DB 2;
54.6%; Pred. No. 2.2e-45;
ive 26; Mismatches 55;
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/label= prolactin_receptor
/s. .234
/label= extracellular
/note= "comprises 5 Cys resi
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/label= transmembrane
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAR93120 standard; protein; 630 AA.
                                                                                                                                                                                                                    Query Match
Best Local Similarity 54.6'
Matches 101; Conservative
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                                                                                                                                                                                      Sequence 606 AA;
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AAR93120
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A cDNA sequence coding for a fish prolactin (PRL) receptor was isolated from a Oreochromis niloticus (tilapia) kidney cDNA expression library following screening with radioactive tiPRL. The cDNA insert was found to contain an open reading frame for a 630 amino acid protein. The mature protein (606 amino acids) has estimated mol. wt. 68.2 kDa and isoelectric useful for identifying agonists and antagonists of PRL receptor are beful applications in fish farming, e.g. for synchronising reproductive cycles. The present sequence is that of the precursor for the PRL receptor from tilapia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FGKQYTSMWRTYIMMVNATQ-MGSSFSDELYVDVTYIVQPDPPLELAVEVKQPEDRKPYL 146
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 receptors for cytokines, growth hormones and prolactin and is critical for signal transduction"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PGKPTBIKCRSPEKETFTCWWKPGSDGGLPTTYALYYRKEGSDVVHECPDYHTAGKNSCF
                                                                                                                                                                                                                                                                                                         Fish prolactin receptor - useful for detecting prolactin agonists and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          28 PGKPEIFKCRSPNKETFICWWRPGTDGGLPTNYSLTYHREGETLMHECPDYITGGPNSCH
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                                                                                                                                                                                       (INRM ) INSERM INST NAT SANTE & RECH MEDICALE
                                                                                                                                                                                                                           Prunet P, Sandra O;
                                                                                                                                                                                                                                                                                                                                                                Example; Page 15-16; 35pp; French
                                                                                                                       94FR-00010535,
                                                                                                                                                      94FR-00010535,
                                                                                                                                                                                                                           Edery M,
                                                                                                                                                                                                                                                          WPI; 1996-153124/16.
N-PSDB; AAT17141.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 630 AA;
                                                 FR2724181-A1
                                                                                                                                                        01-SEP-1994;
                                                                                   08-MAR-1996
                                                                                                                                                                                                                                                                                                                               antagonists.
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Sequence 373, Appl
Sequence 373, Appl
Sequence 112, Appl
Sequence 744, Appl
Sequence 25, Appl
Sequence 26, Appl
Sequence 21, Appl
Sequence 21, Appl
Sequence 21, Appl
Sequence 27, Appl
                                                                                                                                     May 12, 2004, 16:19:02 ; Search time 45 Seconds (without alignments) 1295,312 Million cell updates/sec
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                                                                                                                                                                                                                                 US-10-029-079-3
1166
1 MKENVASATVFTLLLFLNTC......KILSLHPGQKYLVQVRCKPD 210
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Published Applications AA:*

| cgn2_6/ptodata/1/pubpaa/USO7_PUBCOMB.pep:*
| cgn2_6/ptodata/1/pubpaa/PCT_MRW PUB.pep:*
| cgn2_6/ptodata/1/pubpaa/USO6_NEW_PUB.pep:*
| cgn2_6/ptodata/1/pubpaa/USO6_NEW_PUB.pep:*
| cgn2_6/ptodata/1/pubpaa/USO6_NEW_PUB.pep:*
| cgn2_6/ptodata/1/pubpaa/USO8_NEW_PUB.pep:*
| cgn2_6/ptodata/1/pubpaa/USO8_NEW_PUB.pep:*
| cgn2_6/ptodata/1/pubpaa/USO8_NEW_PUB.pep:*
| cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB.pep:*
| cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB.pep:*
| cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB.pep:*
| cgn2_6/ptodata/1/pubpaa/USO9_PUBCOMB.pep:*
| cgn2_6/ptodata/1/pubpaa/USO9_PUBCOMB.pep:*
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| cgn2_6/ptodata/1/pubpaa/USO0_PUBCOMB.pep:*
| cgn2_6/ptodata/1/pubpaa/USO0_PUBCOMB.pep:*
| cgn2_6/ptodata/1/pubpaa/USO0_PUBCOMB.pep:*
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| cgn2_6/ptodata/1/pubpaa/USO0_PUBCOMB.pep:*
| cgn2_6/ptodata/1/pubpaa/USO0_NEW_PUB.pep:*
| cgn2_6/ptodata/1/pubpaa/USO0_PUBCOMB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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2 US-10-058-270A-40

3 US-10-295-027-112

5 US-10-295-027-112

5 US-10-295-027-114

2 US-10-297-971-74

2 US-09-880-578-25

US-09-880-578-26

US-09-880-578-20

US-09-880-578-20

US-09-880-578-17

US-09-880-578-17

US-09-880-578-17

US-09-880-578-17

US-09-880-578-27

US-09-880-578-17

US-09-880-578-27

US-09-880-578-17

US-09-880-578-17

US-09-880-578-17
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                                                                                                                                                                                                                                                                                                                                                                                                             1140673 segs, 277566755 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SUMMARIES
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Maximum Match 100%
Listing first 45 summaries
                                                                                              - protein search, using sw model
                                                                                                                                                                                                                                                                                                                                     BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Minimum DB seq length: 0
Maximum DB seq length: 200000000
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Match Length DB
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                                                                                                                                                                                                                                                              Perfect score:
Sequence:
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                                                                                              OM protein
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                                                                                                                                             Run on:
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No.
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| Appl | Appl | Appl | Appl | Appl | Appl | Appl | Appli | Appli | Appl | Appl | Appl | Appl | Appl | Appl | Appl | Appl | Appl | Appl | Appl | Appl | Appl | Appl | Appl | Appl | Appl | Appl | Appl | , Appl | , Appl | |
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| 4 | ω̈ | ď | m | - | à | | 4. | ٠. | | à | | 'n | ď | | 32, | - | | | - | - | | 'n | - | 'n | ď | ~ | ď | 2 | e 32 | |
| Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | F. | r > | O) | Φ | Seguence | Sednence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Seguence | Seguence | Seguence | Sequence | Seguence | | 11 | edneuc | |
| -09-880-578-2 | -09-880-578-2 | -09-880-578-2 | -09-880-578-2 | 09-037-657- | -09-880-578-2 | -09-880-578-1 | -10-252-958- | 5-10-247-463- | -09-037-657-4 | -09-866-028-3 | -09-944-449-3 | -09-944-457-3 | -09-944-862-3 | -09-945-587-3 | 5-015- | -09-944-396-3 | -09-944-097-3 | -09-944-432-3 | -09-943-762-3 | -09-944-654-3 | -09-943-851A- | -09-944-413-3 | -09-944-403-3 | -09-944-896-3 | -09-944-344-3 | -09-944-929-3 | -09-944-907-3 | 9-944-884- | -09-944-852-3 | |
| σ | σ | σ | σ | σ | σ | σ | 14 | 14 | σ | ,o | σ | σ | Q | σ | σ | σ | 0 | σ | σ | σ | σ | σ | σ | Φ | σ | σ | ω | 10 | 70 | |
| ω | œ | ∞ | 0 | 350 | ω | σ | 0 | М | N | N | 422 | N | 2 | N | 422 | 422 | 422 | α | 422 | 422 | 422 | N | 422 | 3 | C) | $^{\circ}$ | 422 | N | 422 | |
| 'n. | 'n. | ď. | 'n | ď. | ŝ | ū. | 'n. | 'n. | ď. | 'n. | 'n. | ď. | 'n. | 'n. | 25.1 | 'n, | 'n. | 'n. | 'n. | 'n | 'n | 'n | 'n | 'n | 'n. | 'n. | 'n. | 'n | 'n. | |
| ð | o, | σ | σ | 0 | 9 | σ | 9 | σ | 9 | σ | 9 | Φ | 9 | σ | 293 | 9 | σ | Φ | g | σ | Φ | σ | Φ | Φ | σ | Φ | σ, | σ | σ | |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | |
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ALL GNMER

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Sequence 3. Application US/10029079
Publication No. US2020119154A1
GENERAL INFORMATION:
CHARLES TO US2020119154A1
APPLICANT: Clevenger, Charles V
APPLICANT: Clevenger, Charles V
APPLICANT: Clevenger, Charles V
APPLICANT: Clevenger, Charles V
TITLE OF INVENTION: Composition and Method for Modulating Somatolactogenic Function
FILE REFERENCE: PENN-0795
CURRENT PILNG DATE: 2000-12-22
PRIOR PILNG DATE: 2000-12-22
NUMBER OF SEQ ID NOS: 4
SEC ID NOS: 4
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g

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APPLICANT: Hoersch, Sebastian
APPLICANT: Monahan, John
APPLICANT: Monahan, John
APPLICANT: Monahan, John
APPLICANT: Mayers, Rachel E.
APPLICANT: Bast Jr., Robert C.
APPLICANT: Bast Jr., Robert C.
APPLICANT: Bast Jr., Robert C.
APPLICANT: Meric, Funda
APPLICANT: Mills, Gordon B.
TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT, TILLS OF INVENTION: PREVENTION, AND THERAPY OF BREAST CANCER
TITLE OF INVENTION: PREVENTION, AND THERAPY OF BREAST CANCER
TITLE OF INVENTION: PREVENTION, AND THERAPY OF BREAST CANCER
TITLE OF INVENTION: PREVENTION, AND THERAPY OF BREAST CANCER
CURRENT FILING DATE: 2002-06-21
PRIOR APPLICATION NUMBER: US 60/299,887
PRIOR FILING DATE: 2001-06-1
PRIOR FILING DATE: 2001-06-1
PRIOR FILING DATE: 2001-06-1
PRIOR FILING DATE: 2001-06-27
PRIOR FILING DATE: 2001-09-25
PRIOR FILING DATE: 2001-09-25
PRIOR PRIOR PRIOR DATE: 2002-03-05
PRIOR FILING DATE: 2002-03-05
PRIOR PRIOR PRIOR DATE: 2002-03-05
PRIOR PRIOR DATE: 2002-03-05
PRIOR PRIOR DATE: 2002-03-05
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TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and TITLE OF INVENTION: Methods of Screening for Modulators of Cancer FILE REFERENCE: 018501-012500US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     .;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    99.1%; Score 1155.5; DB 1
99.5%; Pred. No. 7.7e-105;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    , Sequence 112, Application US/10295027
; Publication No. US20030232350A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Afar, Daniel
APPLICANT: Aziz, Natasha
APPLICANT: Ginsberg, Wendy M.
APPLICANT: Gish, Kurt C.
APPLICANT: Glynne, Richard
APPLICANT: Hevezi, Peter A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Glynne, Richard
Hevezi, Peter A.
Mack, David H.
Murray, Richard
Watson, Susan R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches 210; Conservative
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ORGANISM: Homo sapiens
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Best Local Similarity
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US-10-295-027-112
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APPLICANT:
APPLICANT:
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                                                                                                                                                                                                                                          Sequence 40, Application US/10058270A

Sequence 40, Application US/10058270A

Publication No. US20040029114A1

GENERAL INFORMATION:
APPLICANT: Mack, David H.
APPLICANT: Gish, Kurt C.
APPLICANT: Gish, Kurt C.
APPLICANT: Bos Blotechnology, Inc.
ITLE OF INVENTION: Methods of Diagnosis of Breast Cancer
ITLE OF INVENTION: Methods of Screening for Modulators of Breast Cancer
ITLE OF INVENTION: Methods of Screening for Modulators of Breast Cancer
ITLE OF INVENTION: Methods of Screening for Modulators of Breast Cancer
ITLE OF INVENTION: Methods of Screening for Modulators of Breast Cancer
ITLE OF INVENTION: Methods of Solosophia
CURRENT FILING DATE: 2001-02-01-24

PRIOR APPLICATION NUMBER: US 60/263,965

PRIOR FILING DATE: 2001-02-02

PRIOR FILING DATE: 2001-04-09

PRIOR FILING DATE: 2001-04-09

PRIOR FILING DATE: 2001-04-09

PRIOR PRILING DATE: 2001-04-09

PRIOR FILING DATE: 2001-05-04

PRIOR 
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Pred. No. 7.7e-105;
0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        EIHFAGQQTEFKILSLHPGQKYLVQVRCKPD 211
                 181 IHFAGQQTEFKILSLHPGGWYLVQVRCKPD 210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; Sequence 373, Application US/10177293; Publication No. US20030124128A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gannavarpu, Manjula
Kamatkar, Shubhangi
Mertens, Maureen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  99.1%;
99.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 99.5
Matches 210; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Lillie, James
APPLICANT: Glatt, Karen
APPLICANT: Zhao, Xumei
APPLICANT: Kannavarpu, Man
APPLICANT: Kanatkar, Shubb
APPLICANT: Martens, Mauree
APPLICANT: Mang, Vic
APPLICANT: Mang, Vic
APPLICANT: Mang, Youzhen
APPLICANT: Xu, Yongyao
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Myer, Vic
Wang, Youzhen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-058-270A-40
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US-10-177-293-373
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      120 VTYIVQPDPPLELAVEVKQPEDRKPYLWIKWSPPTLIDLKTGWFTLLYBIRLKPEKAAEW 179
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APPLICANT Gisberg, Wendy M.
APPLICANT Gisberg, Wendy M.
APPLICANT Gisberg, Wendy M.
APPLICANT Gish, Kurt C.
APPLICANT Hevezi, Peter A.
APPLICANT Mack, David H.
APPLICANT Watson, Susan R.
APPLICANT Watson, Susan R.
APPLICANT Watson, Susan R.
APPLICANT Watson, Susan R.
APPLICANT Wethods of Diagnosis of Cancer, Compositions and TITLE OF INVENTION: Methods of Screening for Modulators of Cancer, TITLE OF INVENTION: Methods of Screening for Modulators of Cancer, CURRENT APPLICATION NUMBER: 104/10/295,027
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVD
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 99.1%; Score 1155.5; DB 15; Length 622; Best Local Similarity 99.5%; Pred. No. 7.7e-105; Matches 210; Conservative 0; Mismatches 0; Indels 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    180 EIHFAGQQTEFKILSLHPGQKYLVQVRCKPD 210
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CURRENT APPLICATION NUMBER: US/10/295,027
CURRENT FILING DATE: 2002-11-13
PRIOR APPLICATION NUMBER: US 09/663,733
PRIOR PLILING DATE: 2000-09-15
PRIOR PELING DATE: 2001-11-13
PRIOR PELING DATE: 2001-11-15
PRIOR PELING DATE: 2001-11-15
PRIOR PELING DATE: 2001-11-15
PRIOR PELING DATE: 2001-11-21
PRIOR PELING DATE: 2001-11-22
PRIOR APPLICATION NUMBER: US 60/334,393
PRIOR PILING DATE: 2001-11-29
PRIOR PELING DATE: 2001-11-29
PRIOR PELING DATE: 2001-11-29
PRIOR PELING DATE: 2001-08
PRIOR PELING DATE: 2001-08
PRIOR PELING DATE: 2002-01-08
PRIOR PELING DATE: 2002-03-08
PRIOR PELING DATE: 2002-02-08
PRIOR PELING DATE: 2002-02-03
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PRIOR APPLICATION NUMBER: US 09/663,733
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Application US/10295027
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 744, Applic
Publication No. US20
GENERAL INFORMATION:
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RESULT 6

US-10-287-971-74

SUBJICACE 74, Application US/10287971

PUBLICACE 74, Application US/10287971

PUBLICACE 74, Application No. US20040067882A1

GENERAL INFORMATION:

APPLICANT: Alsobrook, et al.

TILE REFERENCE: 21402-480A

CURRENT APPLICATION UNMBER: US/10/287,971

CURRENT APPLICATION NUMBER: 09/997,425

PRIOR APPLICATION NUMBER: 09/997,425

PRIOR FILING DATE: 2001-11-05

PRIOR FILING DATE: 2001-11-05

PRIOR FILING DATE: 2001-11-05

PRIOR FILING DATE: 2001-11-05

PRIOR PELING DATE: 2001-11-05

PRIOR PELING DATE: 2001-11-05

PRIOR APPLICATION NUMBER: 60/401,479

PRIOR APPLICATION NUMBER: 60/333,072

PRIOR APPLICATION NUMBER: 60/333,072

PRIOR APPLICATION NUMBER: 60/333,072

PRIOR PELING DATE: 2001-11-06

PRIOR APPLICATION NUMBER: 60/333,072

PRIOR PELING DATE: 2001-11-06

PRIOR APPLICATION NUMBER: 60/333,262

PRIOR PELING DATE: 2001-11-06

PRIOR PELING APPLICATION NUMBER: 60/333,262

PRIOR PELING DATE: 2001-11-06

PRIOR PELING DATE: 2001-11-06

PRIOR PELING DATE: 2001-11-06

PRIOR PELING APPLICATION NUMBER: 60/333,262
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PRIOR FILING DATE: 2000-09-15
PRIOR APPLICATION NUMBER: US 60/350,666
PRIOR APPLICATION NUMBER: US 60/335,394
PRIOR FILING DATE: 2001-11-15
PRIOR APPLICATION NUMBER: US 60/332,464
PRIOR FILING DATE: 2001-11-29
PRIOR PILING DATE: 2001-11-29
PRIOR PELING DATE: 2001-11-29
PRIOR APPLICATION NUMBER: US 60/340,376
PRIOR APPLICATION NUMBER: US 60/340,376
PRIOR PELING DATE: 2001-12-14
PRIOR PELING DATE: 2001-12-14
PRIOR PELING DATE: 2002-01-10
PRIOR PELING DATE: 2002-01-10
PRIOR PILING DATE: 2002-01-10
PRIOR PELING DATE: 2002-01-10
PRIOR PELING DATE: 2002-01-13
PRIOR PELING DATE: 2002-02-13
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Pred. No. 7.7e-105;
0; Mismatches 0; Indels
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Best Local Similarity 99.5%;
Matches 210; Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; ORGANISM: Homo sapiens
US-10-295-027-744
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SEQUENCE CHARACTERISTICS:
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INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COUNTRY: USA
                                                                                                                                                                                    Query Match
Best Local Similarity
Matches 76; Conserval
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            96 VTYIVQPDPPLELAVEVKQPEDRKPYLMIKMSPPTLIDLKTGMFTLLYEIRLKPEKAAEW 155
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                                                                                                                                                                                                                                                                                                                               1 MKENVASATVFTLLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGGLPT-- 58
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                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                  26;
                                                                                                                                                                                                       Query Match

84.6%; Score 987; DB 12; Length 597;
Best Local Similarity 87.7%; Pred. No. 2.7e-88;
Matches 185; Conservative 0; Mismatches 0; Indels 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ZIP: 98102
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
MEDIUM TYPE: Diskette
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  EIHFAGQQTEFKILSLHPGQKYLVQVRCKPD 186
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVERSE OF SECTIONS

Jelmberg, Anna C.
Glibert, Teresa
Foster, Donald C.
Adams, Robyn L.
Lehner, Joyce M.
TITLE OF INVENTON: MAMMALIAN ZCYTORS
NUMBER OF SECUENCES: 37
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/880,578
FILING DATE: 13-UJU-2001
CLASSIFICATION: <UNKNOWN>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               REGISTRATION NUMBER: 32,743
REFERENCE/DOCKET NUMBER: 96-22
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE: Zymogenetics
STREET: 1201 Eastlake Ave East
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE: «Unknown»
ATTORNEY/AGENT INFORMATION:
PRIOR APPLICATION NUMBER: 60/406,181
PRIOR FILING DATE: 2002-08-26
NUMBER OF SEQ ID NOS: 397
SOFTWARE: CuraSequist version 0.1
SEQ ID NO 74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 25, Application US/0980578
Patent No. US20020045733A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEPHONE: 206-442-6627
TELEFAX: 206-442-6678
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEX: «Unknown»
INFORMATION FOR SEQ ID NO: 25:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Lunn, Paul G
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CITY: Seattle
                                                                                                                     TYPE: PRT
CRGANISM: Homo sapiens
US-10-287-971-74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Lok, Si
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COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                            59 -----
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US-09-880-578-25
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86 ILAGSCLYVG-LPPEKPVNISČWSKNMKDLTCRWTPGAHGETFLHTNYSLKYKLRWYGQD 144
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                                                                                                                                                                                                                                                                                                                                                                                                                             132 LAV-EVKOPEDRKPYLWIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEWE-IHFAGQOTE 189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               204 VHVSRVGGLEDQLSVRWV--SPPALKDF---LFQAKYQIRYRVEDSVDWKVVDDVSNQTS 258
                                                                                                                                                                                                                                                                                                 15 LFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGG--LPTNYSLTYHREGETLM
                                                                                                                                                                                                                                                  12;
                                                                                                                                                                                                      Length 389;
                                                                                                                                                                                                                                                  85; Indels
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MEDIUM TYPE DISKELTE
COMPOTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: PastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/880,578
                                                                                                                                                                                               25.5%; Score 297; DB 9;
38.0%; Pred. No. 1.1e-20;
tive 27; Mismatches 85.
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TITLE OF INVENTION: MAMMALIAN ZCYTORS
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
CARDERSEES: Zymogenetics
STREET: 1201 Eastlake Ave East
                                                                                          MOLECULE TYPE: procein
; SEQUENCE DESCRIPTION: SEQ ID NO: 25:
US-09-880-578-25
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REFERBNCE/DOCKET NUMBER: 96-22
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-442-6627
TELEPAX: 206-442-6678
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CLASSIFICATION: «Unknown»
PRIOR APPLICATION DATA:
APPLICATION NUMBER: «Unknown»
FILING DATE: «Unknown»
ATTORNEY/AGENT INFORMATION:
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Jelmberg, Anna C.
Gilbert, Teresa
Foster, Donald C.
Adams, Robyn L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; Sequence 26, Application US/09880578; Patent No. US200200645733A1
GENERAL INFORMATION:
APPLICANT: Lok, Si
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         259 CRLAGLKPGTVÝFVQVRCNP 278
DENGTH: 389 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
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RESULT 10
US-09-880-578-20
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                                                                                                                                                                                                                                                                                                                                                       145 NTCEEYHTVGPHSCHIPKDLT-LFTPYEIWVEATNRLGSARSDVLTLDILDVVTTDPPPD 203
                                                                                                                                                                                                                                                                                                                                                                                               132 LAV-EVKOPEDRKPYLWIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEWE-IHFAGQQTE 189
                                                                                                                                                                                                                                                                                                                                                                                                                      HECPDYITGGPNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVDVTYIVQPDPPLE 131
                                                                                                                                                                                                                                     15 LFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGG--LPTNYSLTYHREGETLM 72
                                                                                                                                                                                               12;
                                                                                                                                                          Length 389;
                                                                                                                                                                                               Indels
                                                                                                                                                                                                 85;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER: IBM Compatible OPERATING SYSTEM: DOS SOFTWARE: FastSEQ for Windows Version
                                                                                                                                                        Query Match 25.5%; Score 297; DB 9; Best Local Similarity 38.0%; Pred. No. 1.1e-20; Matches 76; Conservative 27; Mismatches 85
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/880,578
FILING DATE: 13-Uun-2001
CLASSIFICATION: «Unknown»
PRIOR APPLICATION DATA:
APPLICATION NUMBER: «Unknown»
APPLICATION NUMBER: «Unknown»
FILING DATE: «Unknown»
ATTORNEY/AGENT INFORMATION:
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Jelmberg, Anna C.
Jelmberg, Anna C.
Jelmbert, Teresa
Poster, Donald C.
Adams, Robyn L.
Lehner, Joyce M.
TITLE OF INVENTION: MANMALIAN ZCYTORS
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
STREET: 1201 Eastlake Ave East
                                                        TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 26:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REGISTRATION NUMBER: 32,743
REFRENCE/DOCKET NUMBER: 96
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-442-6627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            190 FKILSLHPGQKYLVQVRCKP 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               259 CRLAGLKPGTVÝFVOVŘCNP 278
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 21, Application US/09880578
Patent No. US20020045733A1
GENERAL INFORMATION:
LENGTH: 389 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH: 303 amino acids
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INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY: USA
ZIP: 98102
COMPUTER READABLE FORM:
MEDIUM TYPE: Diske
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                                                                                                                    US-09-880-578-26
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145 NICEEYHTVGPHSCHIPKD-LALFIPYEIWVEATNRLGSARSDVLTLDILDVVITDPPPE 203
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  86 ILAGSCLYVG-LPPEKPVNISCWSKNMKDLTCRWTPGAHGETFLHTNYSLKYKLRWYGQD 144
                                                                                                                                                                                                                                               15 LFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGG--LPTNYSLTYHREGETLM
                                                                                                                                                                                                                                                                                                                                      73 HECPDYITGGPNSCHFCKOYTSMWRTYIMMVNAT-QMGSSFSDELYVDVTYIVQPDPPLE
                                                                                                                                                                                                     12;
                                                                                                                                                          Length 303;
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OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/880,578
FILING DATE: 13.Jun.2001
CLASSIFICATION: «Unknown»
                                                                                                                                                        25.4%; Score 296; DB 9;
38.0%; Pred. No. 1.1e-20;
ive 27; Mismatches 85
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Patent No. US20020045733A1
GENERAL INFORMATION:
Jelmberg, Anna C.
Gilbert, Teresa
Foster, Donald C.
Adams, Robyn L.
Lehner, Joyce M.
TITLE OF INVENTION: MAMMALIAN ZCYTORS
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 21:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE: Zymogenetics
STREET: 1201 Eastlake Ave East
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APPLICATION NUMBER: <Unknown>
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Lunn, Paul G
REGISTRATION NUMBER: 32,743
REFERENCE/DOCKET NUMBER: 96.
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TELEPHONE: 206-442-6627
TELEFAX: 206-442-6678
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY: USA
ZIP: 98102
COMPUTER READABLE FORM:
                                                                                                                                     Query Match
Best Local Similarity 38.00
Local 76; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEX: <Unknown>
INFORMATION FOR SEQ ID NO:
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89 ILAGSCLYVG-LPPEKPVNISCWSKNMKDLTCRWTPGAHGETFLHTNYSLKYKLRWYGQD 147
                                                                                                                                                                                                                                                                           73 HECPDYITGGPNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVDVTYIVQPDPPLE 131
                                                                                                                                                                                                                                                                                                                                                              132 LAV-EVKOPEDRKPYLWIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEWE-IHFAGOOTE 189
                                                                                                                                                                                                                                                                                                                                                                                         15 LFLNTCLLNGQLPPGKPBIFKCRSPNKETFTCWWRPGTDGG--LPTNYSLTYHREGETLM 72
                                                                                                                                                                                                                                                                                                      148 NTCEEYHTVGPHSCHIPKD-LALFTPYEIWVEATNRLGSARSDVLTLDILDVVTTDPPPE
                                                                                                                                                    12;
                                                                                                         Length 388;
                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYBE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/880,578
FILING DATE: 13-7un-2001
CLASSIFICATION: <Unknown>
                                                                                                       25.4%; Score 296; DB 9;
38.0%; Pred. No. 1.4e-20;
iive 27; Mismatches 85;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Lehner, Joyce M.
DF INVENTION: MAMMALIAN ZCYTORS OF SEQUENCES: 37
      ; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 17:
US-09-880-578-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE: Zymogenetics
STREET: 1201 Eastlake Ave East
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME: Lunn, Paul G
REGISTRATION UNDBER: 32,743
REFERENCE/DOCKET NUMBER: 96-22
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION DATA:
APPLICATION UNURBER:
FILING DATE: «Unknown»
FILING DATE: «Unknown»
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Presnell, Scott R.
Jelmberg, Anna C.
Gilbert, Teresa
Foster, Donald C.
Adams, Robyn L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-880-578-27; Sequence 27, Application US/09880578; Patent No. US20020045733A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                 190 FKILSLHPGQKYLVQVRCKP 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   262 CRLAGLKPGTVÝFVQVRCNP 281
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 389 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEPHONE: 206-442-6627
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SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CORRESPONDENCE ADDRESS
                                                                                                                           Best Local Similarity 38.03
Matches 76; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: linear
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                                                                                                         Query Match
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                                                                                                                                                                                                                                                                                               73 HECPDYITGGPNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVDVTYIVQPDPPLE 131
                                                                                                                                                                                                                                                                                                                        132 LAV-EVKOPEDRKPYLWIKWSPPTLIDLKTGWFTLLYBIRLKPEKAAEWE-IHFAGOOTE 189
                                                                                                                                                                                                                                                                                                                                                                                                              15 LFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGG--LPTNYSLTYHREGETLM
                                                                                                                                                                      12;
                                                                                                                         Query Match 25.4%; Score 296; DB 9; Length 385; Best Local Similarity 38.0%; Pred. No. 1.4e-20; Matches 76; Conservative 27; Mismatches 85; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER: IBM Compatible OPERATING SYSTEM: DOS SOFTWARE: FastSEQ for Windows Version 2.0
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APPLICATION NUMBER: US/09/880,578
FILING DATE: 13-Jun-2001
CLASSIFICATION: «Unknown»
PRIOR APPLICATION DATA:
APPLICATION NUMBER: «Unknown»
FILING DATE: «Unknown»
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Lehner, Joyce M.
TITLE OF INVENTION: MAMMALIAN ZCYTORS
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
               TOPOLOGY: linear MOLECULE TYPE: protein SEQUENCE DESCRIPTION: SEQ ID NO: 20: 09-880-578-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE: Zymogenetics
STREET: 1201 Eastlake Ave East
CITY: Seattle
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REFERENCE/DOCKET NUMBER: 96-22
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Jelmberg, Anna C.
Gilbert, Teresa
Foster, Donald C.
Adams, Robyn L.
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TELEPHONE: 206-442-6627
TELEFAX: 206-442-6678
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          259 CRLAGLKPGTVÝFVQVRCNP 278
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 17, Application US/09880578
Patent No. US20020045333A1
GENERAL INFORMATION:
APPLICANT: Lok, Si
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PKILSLHPGQKYLVQVRCKP 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 388 amino acids
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COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEX: <UNKNOWN>
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: Lunn, Paul G
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SEQUENCE DESCRIPTION: SEQ ID NO: 31:
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US-09-880-578-31
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                                                                                                                                                                                                                                                                         145 NICEEYHIVGPHSCHIPKD-LALFIPYEIWVEAINRIGSSRSDVLTLDILDVVTIDPPPD 203
                                                                                                                                                                                                                                                                                                                                                   204 VHVSRVGGLEDQLSVRWV--SPPALKDF---LFQAKYQIRXRVEDSVDWKVVDDVSNQTS 258
                                                                                                                                                                                           73 HECPDYITGGPNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVDVTYIVQPDPPLE 131
                                                                                                                                                                                                                                                                                                                        LAV-EVKOPEDRKPYLMIKWSPPTLIDLKTGWFTLLYBIRLKPEKAAEWE-IHFAGQOTE 189
                                                                                                                                                                    15 LFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGG--LPTNYSLTYHREGETLM 72
                                                                                                                               12; Gaps
                                                                                            Length 389;
                                                                                                                               Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/880,578
FILING DATE: 13-Jun-2001
CLASSIFICATION DATA:
APPLICATION DATA:
ATTORNEY/AGENT INFORMATION:
                                                                                        Query Match 25.4%; Score 296; DB 9; Le
Best Local Similarity 38.0%; Pred. No. 1.4e-20;
Matches 76; Conservative 27; Mismatches 85;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Lehner, Joyce M.
OF INVENTION: MAMMALIAN ZCYTOR5
) MOLECULE TYPE: protein
) SEQUENCE DESCRIPTION: SEQ ID NO: 27:
US-09-880-578-27
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TELECOMUNICATION INFORMATION:
TELEPHONE: 206-442-6627
TELEFAX: 206-442-6678
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STREET: 1201 Eastlake Ave East
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REGISTRATION NUMBER: 32,743
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Presnell, Scott R.
Jelmberg, Anna C.
Gilbert, Teresa
Foster, Donald C.
Adams, Robyn L.
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Patent No. US20020045733A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                        190 FKILSLHPGQKYLVQVRCKP 209
                                                                                                                                                                                                                                                                                                                                                                                                                                         259 CRLAGLKPGTVÝFVQVŘCNP 278
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LENGTH: 389 amino acids
TYPE: amino acid
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TOPOLOGY: linear
MOLECULE TYPE: protein
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INFORMATION FOR SEQ ID NO: 31:
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COUNTRY: USA
ZIP: 98102
COMPUTER READABLE FORM:
MEDIUM TYPE: Disket!
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                                                                                                                                   86 ILAGSCLYVG-LPPEKPVNISCMSKNMKDLTCRWTPGAHGETFLHTNYSLKYKLRWYGQD 144
                                                                                                                                                                                                                73 HECPDYITGGPNSCHFGKQYTSMWRTYIMMUNAT-QMGSSFSDELYVDVTXIVQPDPPLE 131
                                                                                      15 LFLNTCLINGOLPPGKPEIFKCRSPNKETFTCWWRPGTDGG--LPTNYSLTYHREGETLM 72
                                               12;
Length 389,
                                            84; Indels
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COMPUTER: IBM Compatible
SOFTWARE: TastSED:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/880,578
FILING DATE: 13-Jun-2001
FLASSIFICATION: <unknown>
PRIOR APPLICATION DATA:
APPLICATION AUMBER: <unknown>
APPLICATION NUMBER: <unknown>
Query Match 25.4%; Score 296; DB 9; Best Local Similarity 37.5%; Pred. No. 1.4e-20; Matches 75; Conservative 29; Mismatches 84
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Presnell, Scott R.
Jelmberg, Anna C.
Gilbert, Teresa
Foster, Donald C.
Adams, Robyn L.
Lehner, Joyce M.
TITLE OF INVENTION: MAWALIAN ZCYTORS
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
STREET: 1201 Eastlake Ave East
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REGISTRATION NUMBER: 32,743
REFERENCE/DOCKET NUMBER: 96-
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                              209
                                                                                                                                                                                                                                                                                                                                                                                                                           259 CRLIGLKPGTVYFVQVRCNP 278
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LENGTH: 422 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 2, Application US/09880578
Patent No. US20020045733A1
GENERAL INFORMATION:
APPLICANT: Lok, Si
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TELEFAX: 206-442-6678
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ZIP: 98102
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                              190 FKILSLHPGQKYLVQVRCKP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEX: <UNKnown>
INFORMATION FOR SEQ ID NO: 2:
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MOLECULE TYPE: protein
FRAGMENT TYPE: internal
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                                                                                                                                                                                                                                                         132 LAV-EVKOPEDRKPYLWIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEWE-IHFAGOOTE 189
                                                                                                                                                                                                                                                                                                                                        15 LFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGG--LPTNYSLTYHREGETLM 72
                                                                                                             12;
                                                                Query Match 25.4%; Score 296; DB 9; Length 422; Best Local Similarity 38.0%; Pred. No. 1.6e-20; Matches 76; Conservative 27; Mismatches 85; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:

COMPUTER READABLE FORM:

COMPUTER: DISCRETE

COMPUTER: TBM Compatible

COMPARED: TBM COMPATIBLE

SPELICATION NAWBER: US/09/880,578

FILING DATE: 13-Jun-2001

CLASSIFICATION **CHIKCOMPATIBLE CATON NAWBER: CURKOWN>

FILING DATE: CURKOWN>

FILING DATE: CURKOWN>

FILING DATE: CURKOWN>

RECISTRATION NUMBER: 32,743

RECISTRATION NUMBER: 32,743

REPERCOR/OCKET NUMBER: 96-22

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Lehner, Joyce M.
TITLE OF INVENTION: MAMMALIAN ZCYTORS
NUMBER OF SEQUENCES: 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 389 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 30:
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-880-578-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSEE: Zymogenetics
STREET: 1201 Eastlake Ave East
CITY: Seattle
STATE: WA
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 15
US-09-880-578-30
; Sequence 30, Application US/09880578
; Patent No. US20020045733A1
; GENERAL INFORMATION:
APPLICANT: Lok, Si
Presnell, Scott R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Presnell, Scott R. Jelmberg, Anna C. Gilbert, Teresa Foster, Donald C. Adams, Robyn L.
                                                                                                                                                                                                                                                                                                                                                                                                                              296 CRLAGLKPGTVYFVQVRCNP 315
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TELEX: <Unknown>
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SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                    132 LAV-EVKOPEDRKPYLWIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEWE-IHFAGOOTE 189
                                                                                                                                                                                                                                                                                                                                         15 LFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGG--LPTNYSLTYHREGETLM 72
                                                                                                                                                                                                                                     Gaps
                                                       12;
  25.3%; Score 295; DB 9; Length 389; 38.0%; Pred. No. 1.8e-20; ive 27; Mismatches 85; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                      190 FKILSLHPGQKYLVQVRCKP 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                     CRIAGLKPGTVÝFVQVRCNP 278
Query Match
Best Local Similarity 38.09
Matches 76; Conservative
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for Modulating Somatolactogenic Function
                                                                 Sequence 83309, A Sequence 22670, A Sequence 22671, A Sequence 33308, A Sequence 373, Appl Sequence 373, Appl Sequence 112, Appl Sequence 112, Appl Sequence 112, Appl Sequence 112, Appl Sequence 22669, A Sequence 24513, A Sequen
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Sequence
Sequence
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Query Match
100.0%; Score 1166; DB 26;
Best Local Similarity 100.0%; Pred. No. 3.6e-118;
Matches 210; Conservative 0; Mismatches 0;
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GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Clevenger, Charles V
TITLE OF INVENTION: Composition and Method for
FILE REFERENCE: PENN'-0795
CURRENT PILING DATE: 2001-12-21
PRIOR APPLICATION NUMBER: 60/258,285
PRIOR APPLICATION NUMBER: 60/258,285
PRIOR FILING DATE: 2000-12-22
SOFTWARE: PAGE ID NOS: 4
SOFTWARE: Patentin version 3:1
SEQ ID NO 3
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ORGANISM: Homo sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LENGIH: 210
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US-10-029-079-3
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   May 12, 2004, 16:17:31 ; Search time 183 Seconds (without alignments) 1120.061 Million cell updates/sec
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1 MKENVASATVFTLLLFLNTC......KILSLHPGQKYLVQVRCKPD
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                                      GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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Maximum Match 100%
Listing first 45 summaries
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Gapop 10.0 , Gapext 0.5
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length: 2000000000
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MKENVASATVFTLLLPLNTCLLNGQLPPGKPEJFKCRSPNKETFTCWWRPGTDGGLPTNY
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US-09-724-676-83309
US-09-724-676-83309
Sequence 83309 Application US/09724676
GENERAL INFORMATION:
APPLICANT: Compugen LID:
TILLE OF INVENTION: Variants of alternative splicing;
FILE REFERENCE: 129181.4 Compugen
CURRENT APPLICATION NUMBER: US/09/724,676
CURRENT FILING DATE: 2000-11-28
NUMBER OF SEQ ID NOS: 97222
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 83309
LENGTH: 230
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GENERAL INFORMATION:

APPLICANT: Compugen LTD

TITLE OF INVENTION:

CURRENT APPLICATION NUMBER: US/09/724,676A

CURRENT FILING DATE: 2000-11-28

NUMBER OF SEQ ID NOS: 97222

SEQ ID NO 83309

LENGTH: 230
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99.5%; Pred. No. 5.7e-117;
live 0; Mismatches 0;
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Best Local Similarity 99.5'
Matches 210; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-724-676A-83309
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US-09-724-676A-83309
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ORGANISM: Homo
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RESULT 4
US-60-452-680-22670
Sequence 22670, Application US/60452680
GENERAL INPORMATION:
APPLICANT: CARGILL,
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
TITLE OF INVENTION: ALCHEIMER'S DISEASE, METHODS OF DETECTION AND USES THEREOF;
TITLE OF INVENTION: ALCHEIMER'S DISEASE, METHODS OF DETECTION AND USES THEREOF;
CURRENT APPLICATION NUMBER: US/60/452,680
CURRENT FILING DATE: 1003:116213
NUMBER OF SEQ ID NOS: 116213
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 22670
LENGTH: 288
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GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Bionomix, inc.
APPLICANT: Debe, Derek
APPLICANT: Danaer, Oseeph
TITLE OF INVENTION: HRREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMBE
TITLE OF INVENTION: METHODS OF USE THEREOF
TITLE OF INVENTION: METHODS OF USE THEREOF
TITLE OF INVENTION: METHODS OF USE THEREOF
CURRENT APPLICATION NUMBER: US/09/791,537
CURRENT FILING DATE: 2001-02-22
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      DB 21; Length 230;
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                                                          0; Indels
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Score 1155.5; DB 2:
Pred. No. 5.7e-117;
0; Mismatches 0;
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99.1%; Score 1155.5; DB 33
Best Local Similarity 99.5%; Pred. No. 7.7e-117;
Matches 210; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         180 EIHFAGQQTEFKILSLHPGQKYLVQVRCKPD 210
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   99.1%;
99.5%;
                                                             Conservative
   Query Match
Best Local Similarity
Matches 210; Conserv
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US-09-791-537-37838
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APPLICANT: CARGILL, Michele
APPLICANT: GRUPE, Andrew
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
TITLE OF INVENTION: ALZHEIMER'S DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CLOO1450
CURRENT APPLICATION NUMBER: US/60/452,680
CURRENT FILING DATE: 2003-03-07
NUMBER OF SEQ ID NOS: 116213
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 22671
LENGTH: 376
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99.1%; Score 1155.5; DB 21; Lengt
Best Local Similarity 99.5%; Pred. No. 1.3e-116;
Matches 210; Conservative 0; Mismatches 0; Indels
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99.1%; Score 1155.5; DB 33; Lengt
Best Local Similarity 99.5%; Pred. No. 1.1e-116;
Matches 210; Conservative 0; Mismatches 0; Indels
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'Sequence 83308, Application US/09724676

'GENERAL INFORMATION:
'APPLICANT: Compugen LTD

'TITLE OF INVENTION: Variants of alternative splicing
'FILE REPERENCE: 129181.4 Compugen
'CURRENT PRILICATION UNMER: US/09/724,676

'CURRENT FILING DATE: 2000-11-28

'NUMBER OF SEQ ID NOS: 97222

'S SOFWMARE: Patentin version 3.2

'SEQ ID NO 83308

'ENGTH: 426
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, ORGANISM: Homo sapiens
US-09-724-676-83308
                                                                                                                                                                                                                                                                                                                                TYPE: PRT
CORGANISM: Homo sapiens
US-60-452-680-22671
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                                                                                                                                                                                                                                                Query Match 99.1%; Score 1155.5; DB 22; Lengt
Best Local Similarity 99.5%; Pred. No. 1e-116;
Matches 210; Conservative 0; Mismatches 0; Indels
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2.60-452-680-22671
; sequence 22671, Application US/60452680
; GENERAL INFORMATION:
                             NUMBER OF SEQ ID NOS: 153055
SOFTWARE: Patentin version 3.0
SEQ ID NO 37838
LENGTH: 349
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT
CORGANISM: Homo sapiens
US-60-452-680-22672
                                                                                                                                        TYPE: PRT; ORGANISM: Homo sapiens
US-09-791-537-37838
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RESULT 12
PCT-US02-19669-373
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Pred. No. 2.2e-116;
0; Mismatches 0; Indels 1;
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Best Local Similarity 99.5%; Pred. No. 1.3e-116;
Matches 210; Conservative 0; Mismatches 0; In
                                   Sequence 83308, Application US/09724676A
GENERAL INFORMATION:
APPLICANT: Compugen LTD
TITLE OF INVENTION: Variants of alternative splicing
FILE REFERENCE: 122181.4 Compugen
CURRENT PELING DATE: 2000-11-28
NUMBER OF SEQ ID NOS: 97222
SOFTWARE: Patentin version 3.2
SEQ ID NO 83308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 3, Application PC/TUS0149049
GENERAL INFORMATION:
APPLICANT: Genaissance Pharmaceuticals, Inc.
APPLICANT: Bieglecki, Karyn M
APPLICANT: Duda, Amy
APPLICANT: Duda, Amy
APPLICANT: Duda, Amy
APPLICANT: Pack, Beena
TITLE OF INVENTION: HAPLOTYPES OF THE PRLR GENE
CURRENT APPLICATION INVERSE: PCT/US01/49049
CURRENT APPLICATION NUMBER: PCT/US01/49049
PRIOR PRILING DATE: 2001-12-18
PRIOR PELING DATE: 2001-12-18
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Best Local Similarity 99.5%;
Matches 210; Conservative
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SOFTWARE: PatentIn version 3.1
                                                                                                                                                                                                                                                       TYPE: PRT
CRGANISM: Homo sapiens
US-09-724-676A-83308
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RESULT 9
US-09-724-676A-83308
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PCT-US01-49049-3
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LENGTH: 622
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Sequence 373, Application PC/TUS0219669

GENERAL INFORMATION:
APPLICATION:
APPLICATION:
COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT,
TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT,
FILE REFERENCE: MIN. 0.3 8PC
CURRENT APPLICATION NUMBER: PCT/US02/19669
CURRENT APPLICATION NUMBER: US 60/299,887
PRIOR APPLICATION NUMBER: US 60/399,887
PRIOR FILING DATE: 2001-06-21
PRIOR FILING DATE: 2001-06-27
PRIOR FILING DATE: 2001-09-25
PRIOR FILING DATE: 2002-03-05
PRIOR FILING DATE: 2002-03-05
PRIOR FILING DATE: 2002-03-05
PRIOR FILING DATE: 2002-03-05
120 VIYIVQPDPPLELAVEVKQPEDRKPYLMIKNSPPTLIDLKTGWFTLLYEIRLKPEKAAEW 179
                                     61 SLIYHREGETLMHECPDYITGGPNSCHFGKQYISMWRTYIMMVNAT-QMGSSFSDELYVD 119
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Pred. No. 2.2e-116;
0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Genaissance Pharmaceuticals, Inc.
APPLICANT: Genaissance Pharmaceuticals, Inc.
APPLICANT: Bieglecki, Karyn M
APPLICANT: Duda, Amy
APPLICANT: Koshy, Beena
TITLE OF INVENTION: HAPLOTYPES OF THE PRLR GENE
FILE REFERENCE: PRLR MWH-0892PCT
CURRENT APPLICATION WUMBER: PCT/USO1/49049A
CURRENT FILING DATE: 2001-12-18
PRIOR APPLICATION WUMBER: 60/256,523
PRIOR APPLICATION WUMBER (60/256,523
PRIOR PLLING DATE: 2000-12-18
NUMBER OF SEQ ID NOS: 39
SOFTWARE: PALENTH VEYSION 3.1
LENGTH: 622
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Best Local Similarity 99.5%;
Matches 210; Conservative
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CRGANISM: Homo sapiens
PCT-US01-49049A-3
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us-10-029-079-3.rapm

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Sequence 18829, Application US/09791537

GENERAL INFORMATION:
APPLICANT: Bionomix, Inc.
APPLICANT: Bionomix, Inc.
APPLICANT: Danzer, Joseph
TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMB
TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMB
TITLE OF INVENTION: METHODS OF USE THEREOF
FILE REFERENCE: 261/210
CURRENT APPLICATION NUMBER: US/09/791,537
NUMBER OF SEQ ID NOS: 153055
SOFTWARE: Patentin Version 3.0
SEQ ID NOS: 153055
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US-10-058-270A-40

US-10-058-270A-40

Sequence 40, Application US/10058270A

Sequence 40, Application US/10058270A

Sequence 40, Application US/10058270A

Sequence 40, Application US/10058270A

APPLICANT: Gieh, Kurt C.

APPLICANT: Gieh, Kurt C.

APPLICANT: Bos Biotechnology, Inc.

TITLE OF INVENTION: Methods of Diagnosis of Breast Cancer

TITLE OF INVENTION: Methods of Screening for Modulators of Breast Cancer

TITLE OF INVENTION: Methods of Screening for Modulators of Breast Cancer

FILE REFERENCE: 018501-05210US

CURRENT FILING DATE: 2002-01-24

PRIOR PLING DATE: 2001-01-24

PRIOR PLING DATE: 2001-01-24

PRIOR PLING DATE: 2001-01-24

PRIOR FILING DATE: 2001-01-24

PRIOR PLING DATE: 2001-04-09

PRIOR PLING DATE: 2001-05-04

PRIOR PRING DATE: 2001-05-04

PRIOR PLING DATE: 2001-05-04

PRIOR PRING DATE: 2001-05-04
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99.1%; Score 1155.5; DB 22; Lengt
Best Local Similarity 99.5%; Pred. No. 2.2e-116;
Matches 210; Conservative 0; Mismatches 0; Indels
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APPLICANT: Milennium Pharmaceuticals, Inc. et al.

TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT,

TITLE OF INVENTION: PREVENTION, AND THERAPY OF BREAST CANCER

FILE REPERBNCE: MRI-038PC

CURRENT PILING DATE: 2001-06-21

FRICR PILING DATE: 2001-06-21

PRIOR FILING DATE: 2001-06-27

PRIOR FILING DATE: 2001-06-27

PRIOR FILING DATE: 2001-06-27

PRIOR FILING DATE: 2001-06-27

PRIOR FILING DATE: 2001-06-25

PRIOR FILING DATE: 2001-09-25

PRIOR FILING DATE: 2001-09-25

PRIOR FILING DATE: 2001-09-25

PRIOR FILING DATE: 2002-09-16

PRIOR FILING DATE: 2002-09-16

PRIOR FILING DATE: 2002-09-05

PRIOR FILING DATE: 2002-05-14

NUMBER OF SEQ ID NOS: 506

SOFTWARE: FastSEQ for Windows Version 4.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               VTYIVQPDPPLELAVEVKQPEDRKPYLWIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEW 179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SLIYHREGETLMHECPDYIIGGPNSCHFGKQYISMWRTYIMMVNATNQMGSSFSDELYVD 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SLTYHREGETLMHECPDXITGGPNSCHFGKQYTSMWRTYIMMVNATNQMGSSFSDELYVD 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                      61 SLIYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVD 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        120 VTYIVQPDPPLELAVEVKQPEDRKPYLWIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEW 179
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                                                                                                                                                                                                                                                                                                                                               1 MKENVASATVFTLLLFLNTCLLNGQLPPGKPEJFKCRSPNKETFTCWWRPGTDGGLPTNY
                                                                                                                                                                                                                                                                                                   Gaps
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                                                                                                                                                                                                                                               Length 622;
                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                               DB 1;
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0
                                                                                                                                                                                                                                          Query Match
99.1%; Score 1155.5; DB 1;
Best Local Similarity 99.5%; Pred. No. 2.2e-116;
Matches 210; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             180 EIHFAGQQTEFKILSLHPGQKYLVQVRCKPD 210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR FILING DATE: 2002-05-14
NUMBER OF SEQ ID NOS: 506
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 373
LENGTH: 622
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 373, Application PC/TUS0219669A GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 99.5%;
Matches 210; Conservative C
                                                                                                                                        TYPE: PRT ORGANISM: Homo sapiens PCT-US02-19669-373
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; TYPE: PRT
; ORGANISM: Homo :
PCT-US02-19669A-373
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 13
PCT-US02-19669A-373
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61 SLTYHREGETLAHECPDXIICGPNSCHFGKQYTSMARTYIMAVNAT-QMGSSFSDELXVD 119
                                                                                                                                                                                                                                        1 MKENVASATVFTLLIFILNTCLINGQLPPGKDEIFKCRSPNKETFTCWWRPGTDGGLPTNY 60
                                                                                                    Query Match 99.1%; Score 1155.5; DB 26; Length 622; Best Local Similarity 99.5%; Pred. No. 2.2e-116; Matches 210; Conservative 0; Mismatches 0; Indels 1; Gaps
                                                                                                                                                                                                                                                                                    ) PRIOR FILING DATE: 2001-05-29
; NUMBER OF SEQ ID NOS: 141
; SEQ ID NO 40
; LENGTH: 622
; TYPE: PRT
; OKGANISM: HOMO Sapiens
US-10-058-270A-40
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Pp 65
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Search completed: May 12, 2004, 16:23:19 Job time : 184 secs

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73 HECPDYITGGPNSCHFGKQYTSMWRTYIMMVNAT-OMGSSFSDELYVDVTYIVOPDPPLE 131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       132 LAV-EVKOPEDRKPYLWIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEWE-IHFAGQOTE 189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              123 ILAGSCLYVG-LPPEKPVNISCWSKNMKDLTCRWTPGAHGETFLHTNYSLKYKLRWYGQD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       15 LFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGG--LPTNYSLTYHREGETLM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 2
US-10-821-801-794
; Sequence 794, Application US/10821801
; GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Hinzmann, Bernd
; APPLICANT: Rosenthal, Andre
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    190 FKILSLHPGQKYLVQVRCKP 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  296 CRLAGLKPGTVYFVQVRCNP 315
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 37.55
-5.4 75; Conservative
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; TYPE: PRT
; ORGANISM: primate
US-10-778-002-12
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                                                                                                            May 12, 2004, 16:18:01 ; Search time 20 Seconds (without alignments) 365.723 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                     US-10-029-079-3
1166
1 MKENVASATVFTLLLFLNTC.......KILSLHPGQKYLVQVRCKPD 210
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1: /cgn2 6/ptodata/1/paa/PCT NEW COMB.pep:*

2: /cgn2_6/ptodata/1/paa/USO6_NEW COMB.pep:*

4: /cgn2_6/ptodata/1/paa/USO7_NEW COMB.pep:*

5: /cgn2_6/ptodata/1/paa/USO8_NEW COMB.pep:*

5: /cgn2_6/ptodata/1/paa/USO8_NEW COMB.pep:*

6: /cgn2_6/ptodata/1/paa/USO8_NEW COMB.pep:*

7: /cgn2_6/ptodata/1/paa/USO8_NEW COMB.pep:*

7: /cgn2_6/ptodata/1/paa/USO8_NEW COMB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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                                                                                                                                                                                                                                                                                                                        235879 seqs, 34830801 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SUMMARIES
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Maximum Match 100%
Listing first 45 summaries
                                                                            OM protein - protein search, using sw model
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Gapop 10.0 , Gapext 0.5
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length: 2000000000
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Match Length DB
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Perfect score:
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Maximum DB seq
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No.
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Gaps

12;

Score 293; DB 6; Length 410; Pred. No. 3.5e-20; 8; Mismatches 85; Indels

25.1%; Sco. 37.5%; Prective 28; 1

Sequence

181

72

| 7.0 | 122 | C | 239 | بر | -772-531-2 | Sequence 22, Appl |
|---------|--------------|--|----------|-----|---|-------------------|
| α | 100 | | 324 | · v | -10-772-531-1 | equence |
| 29 | 122 | 10 | 649 | w | US-10-772-531-46 | |
| 30 | 122 | 10 | 732 | w | US-10-772-531-2 | |
| 31 | 114 | σ | 1204 | | US-10-712-124-100 | |
| 32 | m | | 427 | | US-09-077-817D-4 | |
| 33 | 디 | σ | 1518 | | PCT-US04-07412-580 | |
| 34 | Н | σ | 229 | | US-10-777-790-10 | |
| 35 | മ | σ | 547 | | US-10-772-531-93 | |
| 36 | œ | Q | 662 | | US-10-772-531-57 | |
| 37 | œ | | 906 | 7 | US-60-548-091-413 | Sequence 413, App |
| 38 | œ | σ | 958 | | US-60-548-091-414 | |
| 39 | œ | σ | 1165 | | US-60-548-091-412 | Sequence 412, App |
| 40 | œ | σ | 1165 | | US-60-548-091-415 | Sequence 415, App |
| 41 | m | œ | 862 | | US-10-667-290-4 | Sequence 4, Appli |
| 42 | m | ω. | 862 | | US-10-667-289-4 | Sequence 4, Appli |
| 43 | m | 80 | 862 | | US-10-797-157-7 | |
| 44 | ന | ω. | 862 | | US-10-370-715B-68 | equence |
| 45 | 102.5 | 8.8 | 507 | Н | T-US04-0941 | Seguence 2, Appli |
| | | | | | | |
| | | | | | ALIGNMENTS , | |
| RESULT | 7 | | | | | |
| US-10- | 778-002- | 12 | | | | |
| ; Seque | ence 12, | ; Sequence 12, Application US/10778002 | tion US | /10 | 778002 | |
| , GENE | VAL INFO | RMATION | | | | |
| ; APPI | APPLICANT: | Oppmann, | Birgit | | | |
| ; APPI | APPLICANT: | Timans, | Jacque | lin | G | |
| ; APPI | APPLICANT: | Kastele | ain, Rob | ert | А. | |
| ; APPI | LICANT: | Bazan, J. Fernando | J. Fern | and | | |
| ILIL ' | E OF IN | VENTION | . Mammal | ian | Cytokines; Related Reagents | nts and Methods |
| HILL ' | REFERE | FILE REFERENCE: DX0935K | 1935K | | | |
| CURI | RENT APP | LICATION | NUMBER | .: | CURRENT APPLICATION NUMBER: US/10/778,002 | |
| , CURI | RENT FIL | ING DATE | 3: 2004 | -02 | -11 | |
| , PRI | OR APPLI | PRIOR APPLICATION NUMBER: US/09, | UMBER: | ns/ | 09/521,335 | |
| , PRI | OR FILIN | G DATE: | 2000-03 | -09 | | |
| MOM ; | SER OF S | OF SEQ ID NOS: 1 | S: 13 | | | |
| SOF | SOFTWARE: F | atentin | Ver. 2. | 0 | | |
| SEO : | SEQ ID NO 12 | 12 | | | | |
| [E] | LENGTH: 41 | 0 | | | | |

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) ORGANISM: rodent
US-10-778-002-13
                                                                                                                                                                                                                                                                                                         US-10-778-002-13
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 182 NTCEEYHTVGPHSCHIPKD-LALFTPYEIWVEATNRLGSARSDVLTLDILDVVTIDPPPD 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       132 LAV-EVKOPEDRKPYLWIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEWE-IHFAGOOTE 189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                241 VHVSRVGGLEDQLSVRWV--SPPALKDF---LFQAKYQIRYRVEDSVDWKVVDDVSNQTS 295
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     15 LFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGG--LPTNYSLTYHREGETLM 72
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Masiakowski, Piotr
TITLE OF INVENTION: Novel Orphan Receptors
FILE REFERENCE: REG 630
CURRENT APPLICATION NUMBER: US/09/736,842
CURRENT FILING DATE: 2000-12-14
PRIOR FILING DATE: 2000-12-14
PRIOR FILING DATE: 1998-07-22
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/012,072
PRIOR FILING DATE: ARLIER FILING DATE: 1998-01-22
NUMBER OF SEQ ID NOS: 6
SOFTWARRE: PATENTIN Ver. 2.0
SEQ ID NO 5.
                                                                            APPLICANT: Staub, Elke
APPLICANT: Ropcke, Stefan
APPLICANT: Ropcke, Stefan
APPLICANT: Ropcke, Stefan
APPLICANT: Mennerich, Detlev
APPLICANT: Mennerich, Henrik
APPLICANT: Minameann, Henrik
APPLICANT: Li, Xinzhong
TITLE OF INVENTION: Human nucleic acid sequences from lung tumours
FILE REFERENCE: 0015/400201
CURRENT APPLICANTON NUMBER: US/10/821,801
CURRENT APPLICANTON NUMBER: DE 103
PRIOR APPLICANTON NUMBER: DE 103
PRIOR PLING DATE: 2004-09
NUMBER OF SEQ 1D NOS: 990
SOFTWARE: Patentin version 3.2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 25.0%; Score 292; DB 5; Length 405; Best Local Similarity 38.0%; Pred. No. 4.3e-20; Matches 76; Conservative 27; Mismatches 85; Indels 12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       25.1%; Score 293; DB 6; Length 422; 37.5%; Pred. No. 3.6e-20; Live 28; Mismatches 85; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                296 CRLAGLKPGTVYFVQVRCNP 315
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             190 FKILSLHPGQKYLVQVRCKP 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; Sequence 2, Application US/09736842; GENERAL INFORMATION:
                                            Pilarsky, Christian
Brummendorf, Thomas
Hermann, Klaus
Heiden, Esmeralda
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   75; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: Homo Sapiens
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Best Local Similarity
Matches 75; Conserv
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ORGANISM: MOUSE
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US-09-736-842-2
                                                                                                                                                                                                                                                                                                                                                                        SEQ ID NO 794
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73 HECPDYITGGPNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVDVTYIVQPDPPLE 131
                                                                                                       132 LAV-EVKQPEDRKPYLWIKWSPPTLIDLKTGWFTLLYSIRLKPEKAAEWE-IHFAGQQTE 189
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| Sequence 13. Application US/10778002
| GENERAL INFORMATION:
| APPLICANT: Timens, Jacqueline C. APPLICANT: Timens, Jacqueline C. APPLICANT: Rastelein, Robert A. APPLICANT: Bazan, J. Fernando
| TITLE OF INVENTION: Mammalian Cytokines; Related Reagents and Methods | TITLE OF INVENTION: Mammalian Cytokines; RILE REPERENCE: DX0936K; CURRENT APPLICATION NUMBER: US/10/778,002 | CURRENT FILING DATE: 2004-02-11 |
| PRIOR FILING DATE: 2004-03-09 | NUMBER OF SEQ ID NOS: 13 |
| SOFTWARE: Patentin Ver. 2.0 |
| SEQ ID NO 13 |
| LENGTH: 407 |
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   15 LFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGG--LPTNYSLTYHREGETLM
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US-10-603-151-2
| Sequence 2, Application US/10603151
| Sequence 2, Application US/10603151
| GENERAL INFORMATION:
| APPLICANT: Keith D. Allen
| TILLE OF INVENTION: Methods Related Thereto
| TILLE OF INVENTION: Methods Related Thereto
| FILE REFERENCE: R-34
| CURRENT FILING DATE: 2003-06-24
| PRIOR PRILICATION NUMBER: US 60/391,170
| PRIOR PLILING DATE: 2003-06-24
| NUMBER OF SEQ ID NOS: 4
| SOFTWARE: FastSEQ for Windows Version 4.0
| SEQ ID NO 2
| LENGTH: 425
| TYPE: PRI
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                                                                                                                                                                                                         190 FKILSLHPGQKYLVQVRCKP 209
                                                                                                                                                                                                                                             281 CRLAGLKPGTVÝFVQVRCNP 300
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Best Local Similarity 38.00
'00 76; Conservative
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CURRENT APPLICATION NUMBER: US/09/736,842
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      244 VHVSRVGGLEDQLSVRWV--SPPALKDF---LFQAKYQIRYRVEDSVDWKVVDDVSNQTS 298
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                                                                                                                                                                                                                                                                                                                                                                                                                                                             73 HECPDYITGGPNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVDVTYIVQPDPPLE 131
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                                                                                                                                                                                                                                                                                           15 LFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGG--LPTNYSLTYHREGETLM 72
                                                                                                                                                                                                             Gaps
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TITLE OF INVENTION: Novel Orphan Receptors
TITLE OF INVENTION: Novel Orphan Receptors
FILE REFERENCE: REG 630
CURRENT APPLICATION NUMBER: US/09/120,601
PRIOR PILING DATE: 2000-12-14
PRIOR FILING DATE: BABLIER APPLICATION NUMBER: 09/012,072
PRIOR FILING DATE: EARLIER FILING DATE: 1998-01-22
NUMBER OF SEQ ID NOS: 6
SOFTWARE: PATENTIN Ver. 2.0
SEQ ID NO 4
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                                                                                                                          Length 425;
                                                                                                                                                                                                             85; Indels
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                                                                                                                              Query Match 25.0%; Score 292; DB 6; Best Local Similarity 38.0%; Pred. No. 4.6e-20; Matches 76; Conservative 27; Mismatches 85
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; Mismatches
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5-09-136-842-4
Sequence 4, Application US/09736842
GENERAL INFORMATION:
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Best Local Similarity 33.0.
Best Local 75; Conservative
        ; ORGANISM: Mus musculus US-10-603-151-2
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APPLICANT: Masiakowski, Piotr TITLE OF INVENTION: Novel Orphan Receptors FILE REFERENCE: REG 630

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84 NSCHFGKQYTSMWRTYIMMVNATQMGSSFSDELYVDVTYIVQPDPPLELAVEVKQPEDRK 143
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     241 PATPGLSLLVRGKVVTTDPPPDVHVSRVGGLEDQLSVRWV--SPPALKDF---LFQAKYQ 295
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               15 LPLNTCLLNGQLPPGKPBIFKCRSPNKETFTCWWRPGTDGG--LPTNYSLTYHREGETLM 72
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           73 HECPDYITGGPNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVDVT-----
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CURRENT FILING DATE: 2000-12-14
PRIOR APPLICATION NUMBER: US/09/120,601
PRIOR FILING DATE: 1990-0-22
PRIOR APPLICATION NUMBER: BARLIER APPLICATION NUMBER: 09/012,072
PRIOR FILING DATE: EARLIER FILING DATE: 1998-01-22
NUMBER OF SEQ 1D NOS: 6
SOFTWARE: PALENTIN Ver. 2.0
SEQ 1D NO 6
LENGTH: 448
                                                                                                                                                                                                                                                                                                                                                    Length 448;
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Sequence 4, Application US/10806655

Sequence 4, Application US/10806655

GENERAL INFORMATION:
APPLICANT: Sundstrom, Michael
APPLICANT: Sundstrom, Modified Cytokine Receptor Protein
TITLE OF INVENTION: Modified Cytokine Receptor Protein
FILE REFERENCE: 31611-8A
CURRENT APPLICATION NUMBER: US/10/806,655
CURRENT APPLICATION NUMBER: US 09/35564
PRIOR APPLICATION NUMBER: PCT/SE98/00277
PRIOR PILING DATE: 1999-10-08
PRIOR APPLICATION NUMBER: SE 970056 4
PRIOR FILING DATE: 1999-02-17
PRIOR FILING DATE: 1997-02-18
NUMBER OF SEQ ID NOS: 4
SOFTWARE: Patentin Version 3.2
SEQ ID NO 4
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; Pred. No. 1.2e-17;
28; Mismatches 73;
                                                                                                                                                                                                                                                                                                                                                       Score 273; DB 5;
Pred. No. 3.1e-18;
                                                                                                                                                                                                                                                                                                                                                       Query Match 23.4%; Score 273; DB Best Local Similarity 33.8%; Pred. No. 3.1e-Matches 75; Conservative 28; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          22.5%;
| Similarity 31.0%;
62; Conservative 28
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ORGANISM: Homo sapiens
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Best Local Similarity
Matches 62; Conserv
                                                                                                                                                                                                                                              TYPE: PRT
CRGANISM: HUMAN
US-09-736-842-6
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9

Gaps

37;

Indels

Length 206;

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84 NSCHEGKOYTSMWRTYIMMVNATQMGSSFSDELYVDVTYIVQEDEPLELAVEVKQPEDRK 143
                                                                                                                                                                                                                                                                                                                                              144 PYLW-------IKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEWEIHFAGOOT 188
                                                                                                                                                                                                30 KPEIFKCRSPNKETFTCWW----RPGTD--GGLPTNYSLTYHREGETLMHECPDYITGGP
                                                                                                                                                                                                                                                                                                   79 NSCYFNSSFTSIWIPY--CIKLTSNGGTV-DEKCFSVDEIVQPDPPIALN---
                                                                     1 22.5%; Score 262.5; DB 6; Similarity 31.0%; Pred. No. 1.2e-17; Conservative 28; Mismatches 73;
    ; ORGANISM: Homo sapiens
US-10-806-655-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Homo sapiens
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                                                                        Query Match
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                                                                                                Best Local
Matches 6
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---WILLNVSLTGIHADIQVRWEAPRNADIQKGWMVLEYELQYKEVNETKWKMMDPILTT 182
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          144 PYLW-------IKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEWEIHFAGQQT 188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                126 ---WTLINVSLTGIHADIQVRWEAPRNADIQKGWMVLEYELQYKEVNETKWKYMDPILTT 182
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           84 NSCHFGKQYTSMWRTYIMMVNATQMGSSFSDELYVDVTYIVQPDPPLELAVEVKQPEDRK 143
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  78
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               19 EPKFTKCRSPERETFSCHWTDEVHHGTKNLGPIQLFYTRRNTQEWTQEWKECPDYVSAGE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 2, Application US/10806655

GENERAL INFORMATION:
APPLICANT: Sundstrom, Michael
APPLICANT: Norstedt, Gunnar
TITLE OF INVENTION: Modified Cytokine Receptor Protein
FILE REPERBRE: 31611-8A
CURRENT APPLICATION NUMBER: US/3/0/806,655
CURRENT FILING DATE: 2004-03-23
PRIOR FILING DATE: 1999-10-08
PRIOR FILING DATE: 1999-10-08
PRIOR FILING DATE: 1999-10-08
PRIOR FILING DATE: 1998-02-17
PRIOR FILING DATE: 1998-02-17
PRIOR FILING DATE: 1998-02-18
NUMBER OF SEQ ID NOS: 4
SOFTWARE: Patentin version 3.2
SEQ ID NO 2
LENGTH 2.206

LENGTH: 206
                                                                                                                                                                                                                                                                   APPLICANT: Norstedt, Gunar
TITLE OF INVENTION: Modified Cytokine Receptor Protein
FILE REFERENCE: 31611-84
CURRENT APPLICATION NUMBER: US/10/806,655
CURRENT RILING DATE: 2004-03-23
PRIOR APPLICATION NUMBER: US 09/355664
PRIOR APPLICATION NUMBER: PCT/8E98/00277
PRIOR APPLICATION NUMBER: ET/8E98/00277
PRIOR APPLICATION NUMBER: SE 9700566 4
PRIOR FILING DATE: 1998-02-17
PRIOR APPLICATION NUMBER: SE 9700566 4
PRIOR FILING DATE: 1997-02-18
NUMBER: OF SEQ 1D NOS: 4
COSTWARE: PATENTIN POS: 4
                                                                            SVPVYSLKVDKBYEVRVRSK 202
                                           189 EFKILSLHPGQKYLVQVRCK 208
                                                                                                                                                                                                     ; Sequence 3, Application US/10806655; GENERAL INFORMATION:
; APPLICANT: Sundstrom, Michael
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ORGANISM: Homo sapiens
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LENGTH: 203
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126 ---WILLNVSLTGIHADIQVRWEAPRNADIQKGWMVLEYELQYKEVNETKWKMMDPILTT 182
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                                                                                                                                                                                                                                                 Sequence 1, Application US/10806655

Sequence 1, Application US/10806655

GENERAL INPORMATION,

SEQUENCE INTERPRETED:

APPLICANT: Norstedt, Gunnar

TITLE OF INVENTION: Modified Cytokine Receptor Protein

TITLE OF INVENTION: Modified Cytokine Receptor Frotein

TITLE OF INVENTION: Modified Cytokine Receptor Frotein

TITLE OF INVENTION: MODIFIE: 2040-03-23

CURRENT APPLICATION NUMBER: US/10/806,655

CURRENT APPLICATION NUMBER: BCT/SE98/00277

PRIOR FILING DATE: 1999-10-08

PRIOR FILING DATE: 1999-02-17

PRIOR FILING DATE: 1999-02-17

PRIOR FILING DATE: 1990-02-17

PRIOR FILING DATE: 1990-02-18

NUMBER OF SEQ ID NOS: 4

SOFTWARRE: PatentIn Version 3.2

SEQ ID NO. 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
22.5%; Score 262.5; DB 6;
Best Local Similarity 31.0%; Pred. No. 1.5e-17;
Matches 62; Conservative 28; Mismatches 73;
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PCT-US04-02188-142
; Sequence 142, Application PC/TUS0402188
; GENERAL INFORMATION:
                                                                               189 EFKILSLHPGQKYLVQVRCK 208
                                                                                                                  : || ::| |:| |
183 SVPVYSLKVDKEYEVRVRSK 202
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         189 EFKILSLHPGQKYLVQVRCK 208
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RESULT 15
US-10-659-295-35
SQUEDCE 35, Application US/10659295
SGUEDCE 35, Application US/10659295
GGUEDCE 35, Application US/10659295
GGUEDCE 35, Application US/10659295
GENERAL INFORMATION:
APPLICANT: SCHWEIDER, ARMIN
APPLICANT: SCHWAB, RAINER
APPLICANT: SCHWAB, STERAN
TITLE OF INVENTION: METHODS OF TREATING NEUROLOGICAL CONDITIONS WITH HEWATOPOEITIC GTILL REPRENCE: 229530US
FILE REPERENCE: 229530US
CURRENT APPLICATION UNMBER: US/10/659,295
CURRENT FILING DATE: 2003-09-11
PRIOR APPLICATION NUMBER: US/10/331,755
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          84 NSCHFGKQYTSMWRTYIMMVNATQMGSSFSDELYVDVTYIVQPDPPLELAVEVKQPEDRK 143
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                                             IKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEWEIHFAGQQT 188
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Studb, Eike
APPLICANT: Staub, Eike
APPLICANT: Staub, Eike
APPLICANT: Staub, Eike
APPLICANT: Ropeke, Stefan
APPLICANT: Ropeke, Stefan
APPLICANT: Mennerich, Detlev
APPLICANT: Lixinabang, Henrik
APPLICANT: Lixinabang
TITLE OF INVENTION: Human nucleic acid sequences from lung tumours
FILE REFERENCE: 00154/002001
CURRENT APPLICATION NUMBER: US/10/821,801
CURRENT FILING DATE: 2003-04-09
PRIOR APPLICATION NUMBER: DE 103 16 701.3
PRIOR FILING DATE: 2003-04-09
NUMBER OF SEQ ID NOS: 990
SOFTMARE: Patentin version 3.2
SEQ ID NO 503
LENGTH: 638
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; Score 262.5; DB 6;
; Pred. No. 4.8e-17;
28; Mismatches 73;
                                                                                                                                                                                                                                                                                                                                                  US-10-821-801-503
; Sequence 503, Application US/10821801
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            189 EFKILSLHPGQKYLVQVRCK 208
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                                                                                                                                                                                           189 EFKILSLHPGQKYLVQVRCK 208
                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Hinzmann, Bernd
APPLICANT: Rosenthal, Andre
APPLICANT: Hermann, Klaus
APPLICANT: Heiden, Esmeralda
APPLICANT: Pilarsky, Christian
APPLICANT: Brummendocf, Thomas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               22.5%;
31.0%;
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ORGANISM: Homo Sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
Matches 62; Conserv
           144 PYLW---
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                                         APPLICANT: EVELEIGH, Deepa APPLICANT: EVELEIGH, Deepa APPLICANT: Bigwood, Douglas APPLICANT: Bigwood, Douglas APPLICANT: Bigwood, Douglas APPLICANT: Taylor, Ian Taylor, Ian Title OF INVENTION: EXPRESSION PROFILES FOR COLON CANCER AND METHODS OF USE FILE REFERENCE: 515.51
CURRENT APPLICATION NUMBER: PCT/US04/02188
CURRENT FILING DATE: 2004-01-23
PRIOR FILING DATE: 2004-01-24
NUMBER OF SEQ ID NOS: 191
SOFFWARE: PATCHILIN VEXSION 3.2
SEQ ID NO 142
LENGTH: 638
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            157 ---WILINVSLTGIHADIQVRWEAPRNADIQKGWMVLEYELQYKEVNETKWKWMDPILTT 213
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             84 NSCHFGKQYTSMWRTYIMMVNATQMGSSFSDELYVDVTYIVQPDPPLELAVEVKQPEDRK 143
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        144 PYLW-------IKWSPFTLIDLKTGWFTLLYEIRLKPEKAAEWEIHFAGQQT 188
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 142, Application US/10764425
Sequence 142, Application US/10764425
GENERAL INFORMATION:
APPLICANT: Bayer Pharmaceuticals Corporation
APPLICANT: By Pare Pare Pare Pare Signature
APPLICANT: Taylor, Ian
TITLE OF INVENTION: EXPRESSION PROFILES FOR COLON CANCER AND METHODS OF IT IT CORRENT PAPLICATION NUMBER: US/10/764,425
CURRENT FILING DATE: 2004-01-23
PRIOR FILING DATE: 2003-01-24
NUMBER OF SEQ ID NOS: 191
SOFTWARE: PatentIn version 3.2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 22.5%; Score 262.5; DB 6; Length 638; Best Local Similarity 31.0%; Pred. No. 4.8e-17; Matches 62; Conservative 28; Mismatches 73; Indels 37
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
22.5%; Score 262.5; DB 1
Best Local Similarity 31.0%; Pred. No. 4.8e-17;
Matches 62; Conservative 28; Mismatches 73
                  Bayer Pharmaceuticals Corporation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   189 EFKILSLHPGQKYLVQVRCK 208
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US-10-764-425-142
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Homo sapiens
PCT-US04-02188-142
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LENGTH: 638
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                                                                                                                                                                                                                                                                                                                                                                                  204 VQAENWLGSSESPKLCLDPMDVVKLEPPMLQALDIGPDVVSHQP----GCLWLSWKP--- 256
                                                                                                                                                                                                                                                                                                                                                                                                                             156 IDLKTGWFTLLY----EIRLKPE-KAAEWEI--HFAGQQTEFKILSLHPGQKYLVQVRC 207
                                                                                                                                                                                                                                                                                                                                                                                                                                                    257 -----WKPSBYMEQECELRYQPQLKGANWTLVFHLPSSKDQFELCGLHQAPVYTLQMRC 310
                                                                                                                                                                                                                       4 NVASATVFIL-----LLFLNTCLLNGQLPPGKPEIFKC-RSPNKETFICWWRPGTDGGL 56
                                                                                                                                                       Query Match
Best Local Similarity 26.2%; Pred. No. 4.8e-10;
Matches 63; Conservative 36; Mismatches 82; Indels 59
; PRIOR FILING DATE: 2002-12-31; NUMBER OF SEQ ID NOS: 41; SOFTWARE: Patentin version 3.1; SEQ ID NO 35; LENGTH: 837; TYPE: PRT
; ORGANISM: Mus musculus
US-10-659-295-35
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Search completed: May 12, 2004, 16:23:52 Job time : 21 secs

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                                                                                May 12, 2004, 16:15:21 ; Search time 20 Seconds (without alignments) 1010.011 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                        US-10-029-079-3
1166
1 MKENVASATVFTLLLFLNTC......KILSLHPGQKXLVQVRCKPD 210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Description
GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
                                                                                                                                                                                                                                                                     Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                           283366 seqs, 96191526 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SUMMARIES
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Maximum Match 100%
Listing first 45 summaries
                                                      OM protein - protein search, using sw model
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A59405
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Gapop 10.0 , Gapext 0.5
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Maximum DB seq length: 200000000
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Match Length DB
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1: pir1:*
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Perfect score:
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No.
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| granulocyte colony | granulocyte colony | interleukin-11 rec | interleukin-11 rec | prolactin receptor | glycoprotein 130 - | interleukin-6 sign | ciliary neurotroph | growth promoting a | ciliary neurotroph | common cytokine re | interleukin-6 rece | interleukin-6 rece | leptin receptor, s | leptin receptor, s | leptin receptor, s |
|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| JH0329 | C38252 | I48343 | 137891 | I56840 | 149699 | A44257 | UHHUCN | 860614 | 158141 | JC7907 | JL0144 | JL0145 | S68441 | S68439 | 258437 |
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| | | Δ | 0 | н | ~ | æ | a | Δ, | 01 | m | _ | _ | | a | 4 |
| 783 | 863 | 43 | 42 | Ŋ | 91 | 91 | 37 | 362 | 372 | 348 | 440 | 46 | 805 | 89 | a |
| | | | 13.1 42 | | | | | | | | | | | | |
| 3 14.0 | | 13.7 | 3 13.1 | 12.2 | 11.8 | 11.5 | 11.5 | 11.4 | 11.2 | | 10.6 | 10.6 | 10.3 | 10.3 | |

ALIGNMENTS

| PEBULT 1 B59405 Prolactin receptor short form S1b precursor, breast cancer cells T-47D - hprolacies: Homo sapiens (man) C;Dectes: Homo sapiens (man) C;Dectes: Homo sapiens (man) C;Dete: 01-Feb-2002 #sequence_revision 01-Peb-2002 #text_change 01-Mar-2003 C;Accession: B59405 M;U;U;U;U;U;U;U;U;U;U;U;U;U;U;U;U;U;U;U | 1 MKENVASATVETLIFILMININININININININININININININININININI | 1 MXENVASATVETLLIFINTCLINGQLPPGKPBIFKCRSPNKETFICWWRPGTDGGLPTNY | 61 SLIYHREGETLMHECPDXITGGPNSCHFGKQYTSWMRTYIMMYNAT-OMGSSFSDELYVD | 61 SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNATNQMGSSFSDELYVD | 120 VTYIVQPDPPLELAVEVKQPEDRKPYLMIKMSPPTLIDLKTGWFTLLYEIRLKPEXAAEW |
|---|---|--|---|---|--|
| 99.18; Score 1155 | Concentration O. Michael Or Indella 1: | Conservative 0; Mismatches 0; Indels 1; Gar GENVASATVFTLLFELNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGGLP7 | Conservative 0; Mismatches 0; Indels 1; Gap GNVASATVFTLLFLNTCLLNGQLPPCKPEIFKCRSPNKETFTCWWRPGTDGGLPT | Conservative 0; Mismatches 0; Indels 1; Gapy GENVASATVFTLLFINTCLINGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGGLPTI GENVASATVFTLLLFINTCLINGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGGLPTI TYPHEGGLTWHECPDYNGLPGKPYFYNWRYNAT-QMGSFSDELY TYPHEGGLTWHECPDYNGSFFGKQYPTINTAT-QMGSFSDELY THE THE THE TOTAL THE | CONSETVATIVE 0; Mismatches 0; Indels 1; Gaps ENVASAIVETLLEINTCLINGQLPPGKPEIFKCRSPNKEFFTCWWRPGTDGGLPTN ENVASAIVETLLEINTCLINGQLPPGKPEIFKCRSPNKEFFTCWWRPGTDGGLPTN TYHREGETLMHECPDXITGGPNSCHFGKQYTSWWRTYIMMVNAT-OMGSSFSDELYV |
| 99.1%; Score 1155 | CONSEIVACIONE O' HINGE TO | ENVASATVFTLLLFLNT | MKENVASATVFTLLFLNTCLLNGOLPFGKPEIFKCRSPNKETFTCWMRPGTDGGLP7 | MKENVASATVFTLLELNTCLLNGQLPPGKPEIFKCRSPNKETFTCWMRPGTDGGLPTOMENASATVFTLLELFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWMRPGTDGGLPTOMENASATVFTLLELNTCLLNGQLPPGKPEIFKCRSPNKETFTCWMRPGTDGGLPTOMENATTMANNAT-QMGSSFSDELY | MKENVASATVFTLLFINTCLLNGQLPPGKPEIFKCRSPNKETFTCWMRPGTDGGLP |

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prolactin receptor 2 precursor - rabbit
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Best Local Similarity 99.5
Matches 210; Conservative
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A0144

prolactin receptor long form precursor, hepatoma and breast cancer cells - human
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Species: T-Jul-1992 #sequence_revision 17-Jul-1992 #text_change 01-Dec-2000
C;Accession: A40144; A57018
R;Boutin, J.M.; Edery, M.; Shirota, M.; Jolicoeur, C.; Lesueur, L.; Ali, S.; Gould, D.;
A) Bootinol. 3, 1465-1461, 1989
A;Title: Identification of a cDNA encoding a long form of prolactin receptor in human he
A;Reference number: A40144; MUID:90114212; PMID:2558309
                                                                                                                                                                                                                                                                                                                                          of the human prolactin recept
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A;Cross-references: GB:AF214012; PIDN:AF214012.1
CCOmment: This is one of the short forms (31a and 31b) of the human prolactin receptor eta-casein gene promoter activation, with lal less effective than S1b. However, their litted COS-1 and HEK293 cells is due to rapid intracellular turnover of the receptor. #expe
                                                                                                                                                                                    form Sla precursor, breast cancer cells T-47D - human
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A.Gene: GDB:PRLR
A.Cross-references: GDB:120315; OMIM:176761
A.Map position: 5p13.3-5p13.1
C.Superfamily: cytokine receptor homology
C.Keywords: glycoprotein; transmembrane protein
F.1-24/Domain: signal sequence #status predicted <SIG>
F.25-376/Product: prolactin receptor, short form Sla #status predicted <MAT>
F.25-376/Product: groductin receptor, homology <CRS>
F.36-221/Domain: cytokine receptor homology <CRS>
F.59,104,233/Binding site: carbohydrate (Asn) (covalent) #status predicted
                                                                                                                                                                         prolactin receptor short form Sla precursor, breast cancer cells T-47D - hum C;Species: Homo sapiens (man)
C;Dacte: 01-Feb-2002 #sequence revision 01-Feb-2002 #text_change 23-Sep-2002
C;Accession: A59405, A9400 M.L.
G;Accession: A59405, Dufau, M.L.
J;Biol. Chem. 276, 41086-41094, 2001
A;Title: Isolation and characterization of two novel forms of the human prol A;Reference number: A59405; MUD:21538812; PMID:11518703
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MKENVASATVFTLLIFINTCLLNGQLPPGKPE1FKCRSPNKETFTCWWRPGTDGGLPTNY
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Pred. No. 5.8e-95;
0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   210
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A;Cross-references: GB:AF214012; PIDN:AF214012.1 R;Hu, Z.Z.
BIHFAGQQTEFKILSLHPGQKYLVQVRCKPD
                                            181 EIHFAGQQTEFKILSLHÞGGKYLVQVRCKÞD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            EIHFAGQQTEFKILSLHPGQKYLVQVRCKPD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 BIHFAGOOTEFKILSLHPGOKYLVQVRCKPD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           99.1%;
al Similarity 99.5%;
210; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A;Reference number: A49400
A;Accession: A49400
A;Status: preliminary
A;Molecule type: DNA
A;Residues: 1-376 <HU2>
                                                                                                                                                                                                                                                                                                                                                                                                                   A;Status: preliminary
A;Molecule type: DNA
A;Residues: 1-376 <HU1>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity
Matches 210; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  submitted to GenBank,
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8
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A. Molecule type: mRNA
A. Molecule type: mRNA
A. Molecule type: mRNA
A. Molecule type: mRNA
A. Residues: 1-622 <BOUD
A. Cross-references GB: M31661, NID:g190361; PIDN:AAA60174.1; PID:g190362
B. Fruh, G.; Wells, J.A.
J. Biol. Chem. 270, 13133-13137, 1995
A. Title: Prolactin receptor antagonists that inhibit the growth of breast cancer cell ling. A. Reference number: A57018; MUID:95286597; PMID:7768908
A. Accession: A57018
A. Accession: A57018
A. Residues: 25-228, AW <RES>
A. (Cross-references: GB:878505; NID:g999114; PIDN:AAB34470.1; PID:g999115
A. Gross-references: GB:878505; NID:g999114; PIDN:AAB34470.1; PID:g999115
C. Gene: GDB:PRLR
A. (Cross-references: GB:120315; OMIM:176761
A. (Map position: 5p13.3-5p13.1
C. Superfamily: Cytokine receptor homology
C. Keywords: glycoprotein; transmembrane protein
F.1-24/Domain: signal sequence #status predicted <SIG>F:25-622/Product: prolactin receptor, long form #status predicted
F:36-221/Domain: cytokine receptor homology <CRS>
F:55.104,233/Binding site: carbohydrate (ABS) (covalent) #status predicted
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A; Accession: A60380
A; Molecule type: protein
A; Molecule the amino end of the mature protein
C; Superfamily: cytokine receptor homology
B; 1-24/Domain: signal sequence #status predicted <SIG>
B; 25-616/Product: prolactin receptor 1 #status predicted <MAT>
F; 25-616/Product: prolactin receptor homology <CRS>
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              mammary gland prolactin recepto
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        121 VTYIVQPDPPLELAVEVKQPEDRKPYLWIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEW 180
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SLTYHREGETLMHECPDYITGGPNSCHFGKQYISMWRTYIMWNAINQMGSSFSDELYVD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 MKENVASATVFTLLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGGLPTNY
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A; Title: Purification and partial sequence of the rabbit mammary gland pr A; Reference number: A60380; MUD:91146782; PMID:2289615
A; Accession: A60380
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A;Residues: 1-616 <EDE>
A;Cross-references: GB:J04510; NID:g165669; PIDN:AAA31457.1;
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Pred. No. 1e-94;
0;. Mismatches
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prolactin receptor Nb2 precursor - rat
C;Species: Rattus norvegicus (Norway rat)
C;Species: Rattus norvegicus (Norway rat)
C;Species: Rattus norvegicus (Norway rat)
C;Species: A41070; 155417
B;Al; S.; Pellegrini, I.; Kelly, P.A.
J. Biol. Chem. 26, 20110-20117, 1991
A;Title: A prolactin-dependent immune cell line (Nb2) expresses a mutant form of prolac:
A;Reference number: A41070; MUID:92041834; PMID:1718958
A;Recession: A41070
A;Molecule type: mRNA
A;Residues: 1-412 <ALIX
A;Residues: 1-412 <ALIX
A;Residues: L.Y.
J. Biol. Chem. 269, 26076-26082, 1994
A;Cross-references: GE:M74152; NID:9206389; PIDN:AAA41946.1; PID:9206390
R;O'Neal, K.D.; Yu-Lee, L.Y.
J. Biol. Chem. 269, 26076-26082, 1994
A;Title: Differential signal transduction of the short, Nb2, and long prolactin recepton
A;Reference number: 155417
A;Accession: 155417
A;Accession: 155417
A;Residues: 1-412 <RES>
A;Accession: 155417
A;Residues: 1-412 <RES>
A;Cross-references: EMBL:U07567; NID:9641963; PIDN:AAA61784.1; PID:9641964
A;Experimental source: ND2-11C cell line
C;Superfamily: cytokine receptor homology
C;Keywords: transmembrane protein
F;31-216/Domain: cytokine receptor homology <CRS>
  growth
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prolactin receptor, a member of the PMID:2832068
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PDPPLELAVEVKQPEDRKPYLWIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEWEIHFAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             7 SATVFILLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGGLPTNYSLTYHR
                                                                                                                                                                                                                                                                                                                                                                                                                                7 SATVFILLEFLNICLINGQLPPGKPEIFKCRSPNKETFICWWRPGTDGGLPINYSLIYHR
                                                                                                                        PIDN:AAA41937.1; PID:9206365
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                                                                                                                                                                                                                                                                                                  Length 310,
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A;Title: Cloning and expression of the rat prolactin recept
A,Reference number: A29884; MUD:88165059; PMID:2832068
A,Accession: A29884
A,Molecule type: mRNA
A,Residues: 1-310 <BOU>
A,Cross-references: GB:M19304; NID:g206364; PIDN:AAA41937...
C;Superfamily: cytokine receptor homology
C;Keywords: transmembrane protein
F;1-19/Domain: signal sequence #status predicted <SIG>
F;20-310/Product: prolactin receptor #status predicted <MAY
F;31-216/Domain: cytokine receptor homology <CRS>
                                                                                                                                                                                                                                                                                                Query Match
71.8%; Score 837; DB 2;
Best Local Similarity 72.7%; Pred. No. 8.6e-67;
Matches 149; Conservative 20; Mismatches 34.
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C;Species: Rattus norvegicus (Norway rat)
C;Date: 30-Sep-1989 #sequence_revision 30-Sep-1989 #text_change 28-Jul-2000
C;Accession: A29884
R;Boutin, J.M.; Jolicoeur, C.; Okamura, H.; Gagnon, J.; Edery, M.; Shirota, M.; Banville
Cell 53, 69-77, 1988
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             prolacti
             F;235-258/Domain: transmembrane #status predicted <TMM>
F;59,104,132,347,389,411/Binding site: carbohydrate (Asn) (covalent) #status predicted
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SLIYHREGETLMHECPDYIIGGPNSCHFGKQXISMWRIYIMMVNA-IQMGSSFSDELYVD 119
                                                                                                                                                                                                                                                                                                                120 VTYIVQPDPPLELAVEVKQPEDRKPYLMIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEW 179
                                                                                                                                                                                                                                                                                   SLITYHREGETLAMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVD 119
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               projectin receptor - bovine
C;Species: Bos primigenius taurus (cattle)
C;Decies: Bos primigenius taurus (cattle)
C;Accession: 145971
R;Gcott, P; Kessler, M.A.; Schuler, L.A.
Mol. Cell. Endocrinol. 89, 47-58, 1992
A,Title: Molecular cloning of the bovine projectin receptor and distribution (A,Reference number: 145971; MuID:93246019; PMID:1338725
A,Status: preliminary; translated from GB/EMBL/DDBJ
A,Molecule type: MRNA
A,Residues: 1-581 < CC.
                                                                                                                                                                                                                         1 MKENVASMIVFLILIFINIRLLKGQSPPGKPFIFKCRSPEKETFTCWMRPGADGGLPTNY
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                                                                                                                                                                                    1 MKENVASATVFTLLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGGLPTNY
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                                                                                                                                        Gaps
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                                                                                      Length
                                                                                                                                   Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               34;
                                                                                   Query Match 80.2%; Score 935.5; DB 2; Best Local Similarity 78.7%; Pred. No. 3.5e-75; Matches 166; Conservative 18; Mismatches 26;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 74.2%; Score 865.5; DB 2
Best Local Similarity 70.6%; Pred. No. 5.3e-69;
Matches 149; Conservative 27; Mismatches 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              EIHFAGQQTEFKILSLHPGQKYLVQVRCKPD 210
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productin receptor precursor - mouse
C;Species: Mus musculus (house mouse)
C;Date: 0.2-Aug-1996 #sequence_revision 02-Aug-1996 #text_change 28-Jul-2000
C;Accession: 177525
R;Davis, J.A.; Linzer, D.I.H.
Mol. Endocrinol. 3, 674-680, 1989
A;Title: Expression of multiple forms of the prolactin receptor in mouse liver.
A;Reference number: 157699; MUID:89261824; PMID:2725531
A;Accession: 177525
A;Accession: 177525
A;Accession: 177525
A;Accession: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: mRNA
A;Molecule type: mRNA
A;Residues: 1-292 cRES.
A;Cross-references: GB:M22959; NID:g200481; PIDN:AAA39977.1; PID:g200482
C;Superfamily: cytokine receptor homology
F;31-216/Domain: cytokine receptor homology
                                                  EGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMWWAT-QMGSSFSDELYVDVTYIVQ 125
                                                                             PDPPLBLAVEVKQPEDRKPYLWIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEWEIHFAG 185
                                                                                                                                                              in mouse liver.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  67 EGETLAMHECPDYITGGPNSCHFGKQYTSMWRTYIMAVNAT-QMGSSFSDELYVDVTYIVQ 125
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PDPPLELAVEVKQPEDRKPYLWIKWSPPTLIDLKTGWPTLLYEIRLKPEKAAEWEIHFAG 185
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SALAFVLLV-LNISLLKGQSPPGKPEIHKCRSPDKETFTCWWNPGTDGGLPTNYSLTYSK 61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         prolactin receptor precursor - mouse
C;Species: Mus musculus (house mouse)
C;Date: 02-Aug-1996 #sequence_revision 02-Aug-1996 #text_change 28-Jul-2000
C;Accession: 177524
R;Davis, J.A.; Linzer, D.I.H.
Mol. Endocrinol: 3, 674-680, 1989
A;Title: Expression of multiple forms of the prolactin receptor in mouse liv
A;Reference number: 157699; MUID:89261824; PMID:2725531
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        62 EGEKNIYECPDYKISGPNSCFFSKQYISIWKIYIITVNAINEMGSSISDPLYVDVIYIVE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               7 SATVFTLLLFLNTCLLNGQLPPGKPBIFKCRSPNKETFTCWWRPGTDGGLPTNYSLTYHR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A;Cross-references: GB:M22958; NID:g200479; PIDN:AAA39976.1; PID:g200480
C;Superfamily: cytokine receptor homology
F;31-216/Domain: cytokine receptor homology <CRS>
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69.8%; Pred. No. 9.7e-65;
ive 25; Mismatches 36;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: mRNA
A;Residues: 1-303 <RES>
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                                                                                                                                                                                                                         QOTEFKILSLHPGQKYLVQVRCKPD
                                                                                                                                                                                                                                                     182 HQTQFKVFDLYPGQKYLVQTRCKPD
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Matches 143; Conservative
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A36116
prolectin receptor 2 precursor - rat
C.Species: Rattus norvegicus (Norway rat)
C.Species: Rattus norvegicus (Norway rat)
C.Species: Rattus norvegicus (Norway rat)
C.Anate: 28-Mar-1991 #sequence_revision 28-Mar-1991 #text_change 28-Jul-2000
C.Ancession: A36116
R.Shirota, M.; Banville, D.; Ali, S.; Jolicoeur, C.; Boutin, J.M.; Edery, M.; Djiane, J.
Mol. Endocrinol. 4, 1136-1143, 1990
A.Title: Expression of two forms of prolactin receptor in rat ovary and liver.
A;Reference number: A36116, MUID:91155946; PMID:2293022
A;Retans: preliminary
A;Residues: J-610 < SHI>
A;Residues: J-610 < SHI>
A;Residues: J-610 < SHI>
A;Cross-references: GB:M57668; NID:9206366; PIDN:AA41938.1; PID:g206367; GB:M60728
C;Superfamily: cytokine receptor homology <RS>
F;31-216/Domain: cytokine receptor homology <RS>
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  PDPPLELAVEVKQPEDRKPYLWIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEWEIHFAG 185
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                         EGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMWWAT-QMGSSFSDELYVDVTYIVQ 125
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A;Cross-references: GB:M34083; NID:g205122; PIDN:AAA79273.1; PID:g205123
A;Note: the authors translated the codon GAG for residue 533 as Gly
C;Superfamily: cytokine receptor homology
F;31-216/Domain: cytokine receptor homology <CRS>
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 837; DB 2;
Pred. No. 1.9e-66;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20; Mismatches
                                                                                       186 QQTEFKILSLHPGQKYLVQVRCKPD 210
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                                                                                                              182 HQTQFKVFDLYPGQKYLVQTRCKPD
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72.7%;
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Best Local S
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Gaps

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69.8%; Score 813.5; DB 2; Query Match

Length 303;

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projectin receptor - pigeon
Cipacies: Columba livia (domestic pigeon)
Cipacies: Columba livia (domestic pigeon)
Cipacies: Columba livia (domestic pigeon)
Cipacies: 13-Sep-1996 #sequence_revision 13-Sep-1996 #text_change 28-Jul-2000
Cipacies: 13-Sep-1996 #sequence_revision 13-Sep-1996 #text_change 28-Jul-2000
Cipacies: 15-Sep-1996 #sequence_revision 15-Sep-1996 #text_change 28-Jul-2000
Cipacies: 15-Sep-1996 #sequence_revision 15-Sep-1996 #text_change 28-Jul-2000
A;Reference number: 15-Sep-1994 A;Reference ISO455; MUID:94283267; PMID:7516866
A;Reference number: 15-Sep-1996 #RBL:U07694; NID:9466381; PIDN:AAA20646.1; PID:9466382
A;Residues: 1-830 *CHE>
A;Residues: 1-830 *CHE>
A;Coss-references: EMBL:U07694; NID:9466381; PIDN:AAA20646.1; PID:9466382
B;Seperfamally: cytokine receptor homology *CRS1>
F;240-426/Domain: cytokine receptor homology *CRS2>
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Cybacies: Gallus gallus (chicken)

Cybaceis: 30-8ep-1993 #sequence_revision 30-Sep-1993 #text_change 28-Jul-2000

Cybacession: J01655

RyTanaka, M.; Maeda, K.; Okubo, T.; Nakashima, K.

Biochem: Biophys. Res. Commun. 188, 490-496, 1992

AyTitle: Bouble antenna structure of chicken prolactin receptor deduced from the

AyReference number: J01655; MUID:93075121; PMID:1445292

AyReference number: J01655; MUID:93075121; PMID:1445292

AyResidues: 1-831 cTAN

AyResidues: 1-831 cYAN

AyResidues: 1-831 cAN

AyResidues: 1-831 cYAN

AyResidues: 1-831 cYAN

AyResidues: 1-831 cAN

AyResidues: 1-831 cA
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                                                                                                                                                                                                                                                                                                                                                                                                       receptor deduced from
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      23 NGQLPPGKPEIFKCRSPNKETFICWWRPGTDGGLPINYSLTYHREGETLMHECPDYITGG
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; Pred. No. 1.1e-52;
32; Mismatches 39;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        59.0%; Score 688.5; DB 2;
61.9%; Pred. No. 4.1e-53;
iive 32; Mismatches 39;
                         OQTEFKILSLHPGQKYLVQVRCKPD 210
                                                               182 HQTQFKVFDLYPGQKYLVQTRCKPD 206
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61.9%;
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Best Local Similarity 61.9
Matches 117; Conservative
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Best Local Similarity 61.9
Matches 117; Conservative
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A.Molecule type: mRNA
A.Molecule type: mRNA
A.Molecule type: mRNA
A.Rossa-references: EMBL:X73372; NID:g312696; PIDN:CAA51789.1; PID:g312697
A.Crossa-references: EMBL:X73372; NID:g312696; PIDN:CAA51789.1; PID:g312697
C.Comment: Prolactin receptor have long form and short form which are resulted from alte
C.Comment: This long form receptor to capable of transducing a signal to milk protein ge
C.Superfamily: cytokine receptor homology
C.Keywords: receptor; transmembrane protein
F;31-216/Domain: cytokine receptor homology C.RS>
F;230-253/Domain: transmembrane #status predicted <TMM>
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C;Species: Mus musculus (house mouse)
C;Date: 02-Aug-1996 #sequence_revision 02-Aug-1996 #text_change 28-Jul-2000
C;Datesesion: 153269; Juf0671, 534356
R;Clarke, D.L.; Linzer, D.L.H.
Endocrinology 133, 224-232, 1993
A;Title: Changes in prolactin receptor expression during pregnancy in the mouse ovary.
A;Reference number: 153269; MUID:93307149; PMID:8319571
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A;Residues: 1-608 <MOO>
A;Cross-references: GB:L13593; NID:G347398; PIDN:AAC37641.1; PID:g347842
R;Edery, M.; Pezet, A.; Mandi, S.; Kelly, P.A.
Submitted to the EMBL Data Library, June 1993
A;Description: Isolation and nucleotide sequence of a mouse cDNA prolactin receptor.
A;Reference number: S34356
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A,Molecule type: mENA
A,Molecule type: mENA
A,Molecule type: mENA
A,Residues: 1-608 <RES>
A,Cross-references: GB:L14811; NID:g293769; PIDN:AAA02686.1; PID:g293770
R,Moore, R.C.; Oka, T.
Gene 134, 263-265, 1993
A,Title: Cloning and sequencing of the cDNA encoding the murine mammary gA;Reference number: JT0671; MJD:94085788; PMID:8262385
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69.8%; Pred. No. 2.3e-64;
iive 25; Mismatches 36;
Pred. No. 1e-64;
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projection receptor - Nile tilapia
C.Species: Tilapia nilotica, Orecchromis niloticus (Nile tilapia)
C.Species: Tilapia nilotica, Orecchromis niloticus (Nile tilapia)
C.Species: Tilapia nilotica, Orecchromis niloticus (Nile tilapia)
C.Species: Tilapia nilotica, Orecchromis niloticus
C.Species: Tilapia
R.Sandra, O.; Sohm, F.; de Luze, A.; Prunet, P.; Edery, M.; Kelly, P.A.
Proc. Natl. Acad. Sci. U.S.A.; 92, 6037-66041, 1995
A.Tille: Expression cloning of a cDNA encoding a fish prolactin receptor.
A; Reference number: I51086
A; Molecule type: mRNA
A; Accession: I51086
A; Residus: Preliminary; translated from GB/EMBL/DDBJ
A; Residus: Preliminary; translated from GB/EMBL/DDBJ
A; Residus: Lefo < SAN
A; Residus: Lefo < SAN
A; Residus: Lefo < SAN
A; Cosserreferences: GBL34783; NID:g903846; PID:g903847
C; Superfamily: cytokine receptor homology
F;37-222/Domain: cytokine receptor homology
                                                                                                                     PNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVDVTYIVQPDPPLELAVEVKQPED 141
                                                                                                                                                                               142 RKPYLWIKWSPPTLIDLKTGWFTLLYEIRLKPBKAAEWEIHFAGOOTBFKILSLHPGOKY 201
                                                                                                                                                                                                            88 FGKQYTSMWRTYIMMVNATQ-MGSSFSDELYVDVTYIVQPDPPLELAVEVKQPEDRKPYL 146
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      147 WIKWSPPTLIDLKTGWFTLLYBIRLKPE-KAAEWEIHFAGOOTBFKILSLHPGQKYLVQV 205
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Job time : 21 secs
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P14753 Q07303

rattus norv homo sapien homo sapien

P48356 018796 P52179 P78552 Q62959 P08887 P48357 Q95118 P21183

homo sapien homo sapien

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X-RAY CRYSTALLOGRAPHY (2.9 ANGSTROMS) OF 25-235.

MEDLINE=95075462; PubMed=7984244;
Somerre W., Ultsch M., de Vos A.M., Kossiakoff A.A.;
"The X-ray structure of a growth hormone-prolactin receptor complex.";
Nature 372:478-481(1994).
-!- FUNCTION: This is a receptor for the anterior pituitary hormone
                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE FROM N.A. (ISOFORM 1).
MEDLINE=99182102; PubMed=10084611;
Hu Z.-Z., Zhuang L., Meng J., Leondires M., Dufau M.L.;
"The human prolactin receptor gene structure and alternative promoter utilization: the generic promoter hPIII and a novel human promoter hP(N).";
                                                                                                                                                                                                                                                                                                                  SEQUENCE FROM N.A. (ISOFORM 1).

SEQUENCE FROM N.A. (ISOFORM 1).

MEDLINE-90114212; PubMed=2558309;

BOUTIN J.M., Edery M., Shirota M., Jolicoeur C., Lesueur L.,

Ali S., Gould D., Djiane J., Kelly P.A.;

"Identification of a cDNA encoding a long form of prolactin receptor in human hepatoma and breast cancer cells.";

Mol. Endocrinol. 3:1455-1461(1989).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE FROM N.A. (ISOFORM 2).
TISSUBBEARCAST CARCIDOMA;
KILING J.B., Clevenger C.V.;
"Characterization of a novel and functional human prolactin receptor isoform (delta-sl PRLr) containing only one extracellular fibronectin-like domain."
Submitted (FEB-2001) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SIMILARITY: Belongs to the type I cytokine family of receptors. Subfamily 1.
                                                                                                                                                                                                                                                                            Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Subfamily 1. SIMILARITY: Contains 2 fibronectin type III domains.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Event=Alternative splicing; Named isoforms=2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Clin. Endocrinol. Metab. 84:1153-1156(1999).
                                                                                                                                                                                                          P16471; QPBX87;
01-AUG-1990 (Rel. 15, Created)
01-AUG-1990 (Rel. 15, Last sequence update)
1-AUG-1990 (Rel. 43, Last sequence update)
Prolactin receptor precursor (PRL-R).
                                                                                                                                                                                                   622 AA
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Isold=16471-1; Sequence=Displayed;
Name=2; Synonyms=Delta-S1;
Name=2; Synonyms=Delta-S1;
Isold=Pl6471-2; Sequence=VSP_01720;
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LEPR MOUSE
MINI HUMAN
1131 HUMAN
1131 HUMAN
LEPR RAT
LEAR HUMAN
LEPR HUMAN
CYRG BOVIN
LIST MOUSE
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            version 5.1.6
- 2004 Compugen Ltd.
                                                                                                                                                                                                             Total number of hits satisfying chosen parameters:
                                                                                                                                                                                        141681 seqs, 52070155 residues
                                                                                                                                                                                                                                                                                                                                                                        SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GHR SHEEP
GHR MOUSE
GHR MACMU
GHR MACMU
GCSR MOUSE
ILGE HUWAN
ILGE MOUSE
ILGE RAT
CONTR HUMAN
CNTR HUMAN
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PRLR CHICK
PRLR COLLI
PRLR MELGA
PRLR ORENI
GHR COLLI
                                                                                                                                                                                                                                                                                                                                                                                                                                     PRLR_RABIT
PRLR_CEREL
PRLR_BOVIN
PRLR_SHEEP
PRLR_RAT
PRLR_RAT
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GHR_RAT
GHR_BOVIN
GHR_PIG
                                                                                                                                                                                                                                                                Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                                                                                                                                                                                                                                                                                             PRLR HUMAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GHR_PIG
GHR_RABIT
                                                     protein search, using sw model
                                                                                                                                                           BLOSUM62
Gapop 10.0 , Gapext 0.5
             GenCore
Copyright (c) 1993
                                                                                                                                                                                                                                                                                                                                                                                                        ID
                                                                                                                                                                                                                               seq length: 0
seq length: 2000000000
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                                                                                                                                                                                                                                                                                                            SwissProt_42:*
                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                             Query
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22990.5
2248.5
2347.5
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1990.5
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125
                                                                                                                              Perfect score:
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                                                      OM protein -
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Maximum DB
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (POTENTIAL).
(POTENTIAL).
(POTENTIAL).
                                                                                         CYTOPLASMIC (POTENTIAL).
FIBRONECTIN TYPE-III 1.
FIBRONECTIN TYPE-III 2.
BY SIMILARITY.
BY SIMILARITY.
N-LINKED (GLCNAC...) (PON-LINKED (GLCNAC...) (P
                                                                                                                                                                                                                                                                                                                                                                                                                                                EXTRACELLULAR (POTENTIAL)
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                                                                                                                                                                                                    SLIYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVD
                                                                                                                                                                                                                                                                            120 VTYIVQPDPPLELAVEVKQPEDRKPYLWIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEW
                                                                                                                                1 MKENVASATVFTLLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGGLPTNY
                                                                                                                                                                                                                                   SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNATNQMGSSFSDELYVD
                                                                                           1; Gaps
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TISSUE-Mammary gland;

MEDLINE=89184578; pubMed=2928321;

MEDLINE=89184578; pubMed=2928321;

Betridou B., Golicoeur C., Levi-Meyrueis C., Dusanter-Fourt I.,

Petridou B., Boutin J.M., Lesueur L., Kelly P.A., Djiane J.;

"Identification and sequence analysis of a second form of prolactin

receptor by molecular cloning of complementary DNA from rabbit

mammary gland.";

Proc. Natl. Acad. Sci. U.S.A. 86:2112-2116(1989).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Proteins 27:459-468(1997).
-!- FUNCTION: This is a receptor for the anterior pituitary hormone
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 -i- SUBCELLULAR LOCATION: Type I membrane protein.
-i- SIMILARITY: Belongs to the type I cytokine family of receptors.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Oryctolagus cuniculus (Rabbit).
Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Eutheria, Lagomorpha, Leporidae, Oryctolagus.
NCBI_TAXID=9986;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDLINE=97248733; PubMed=9094747;
Halaby D., Thoreau E., Djiane J., Mornon J.-P.;
"Homology modeling of rabbit prolactin hormone complexed with its
                                                      DB 1; Length 622;
                                                                                         Indels
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225
69505 MW; DB7FD0328608C787 CRC64;
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                                                    Score 1155.5; DB 1
Pred. No. 1.3e-100;
0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               01-APR-1990 (Rel. 14, Created)
01-APR-1990 (Rel. 14, Last sequence update)
15-WAR-2004 (Rel. 43, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                  180 EIHFAGQQTEFKILSLHPGQKYLVQVRCKPD 210
                                                                                                                                                                                                                                                                                                                                                                                   181 ETHFAGQQTEFKILSLHPGQKYLVQVRCKPD 211
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  616 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3D-STRUCTURE MODELING OF 30-228.
                                                    Query Match
Best Local Similarity 99.5%;
Matches 210; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          EMBL; J04510; AAA31457.1; -.
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PDB; 1AN3; 03-DEC-97.
InterPro; IPR002996; CR1A.
 224 3
622 AA;
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ID PRLR RABIT
STRAND
SEQUENCE
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15-MAR-2004 (Rel. 43, Last annotation update) Prolactin receptor precursor (PRL-R).
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Matches 157; Conservative
                                                Cervus elaphus (Red deer)
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InterPro; IPR008957; FW_III-like.
InterPro; IPR003561; FW_III.
InterPro; IPR003528; Hemtopoptn_L_FI.
Pfam; PF00041; fi3; 2.
SWART; SM00060; FW3; 2.
PROSTIE; P501352; HEMATOPO REC_L_FI; 1.
Receptor; Transmembrans; GTycoprotein; Signal; Repeat; 3D-structure.
SIGNAL
24 BY SIMILARITY.
25 616 PROLACTIN RECEPTOR.
                                                                                                                                                                                                                              (POTENTIAL) . (POTENTIAL) . (POTENTIAL) .
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                                                                                                               PROLACTIN RECEPTOR.

EXTRACELLULAR (POTENTIAL).

CYTOPLASMIC (POTENTIAL).

FIBRONECTIN TYPE-III 1.

FIBRONECTIN TYPE-III 2.

BY SIMILARITY.

N-LINKED (GLCNAC. ..) (POT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     68840 MW; 800E3166FEF7108C CRC64;
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(Rel. 35, Last sequence update)
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Matches 166; Conservative
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616 AA;
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PRIR_CEREL
ID PRIR_CEREL
AC Q28235;
DT 01-NOV-1997 (
DT 01-NOV-1997 (
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                                                                                                                                                                                                                                                                                                                                                                  MEDINE=96030711; PubMed=7561644;
Clarke L.A., Edery M., Loudon A.S., Randall V.A., Postel-Vinay M.C.,
Kelly P.A., Jabbour H.N.;
"Expression of the prolatin receptor gene during the breeding and
non-breeding seasons in red deer (Cervus elaphus): evidence for the
expression of two forms in the testis.";
J. Endocrinol. 146:313-321(1995).
-i- FUNCTION: This is a receptor for the anterior pituitary hormone
Bukaryota, Metazoa; Chordata; Craniata, Vertebrata, Euteleostomi,
Mammalia; Butheria; Cetartiodactyla; Ruminantia; Pecora; Cervoidea;
Cervidae; Cervinae; Cervus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                prolactin.
--- SUBCELLULAR LOCATION: Type I membrane protein.
--- SIMILARITY: Belongs to the type I cytokine family of receptors.
--- SUBCEARITY: Contains 2 fibronectin type III domains.
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or send an e...

EMBL; X94953; CAA6441>...

EMBL; X94953; CAA6441>...

EMBL; X94953; CAA6441>...

HSSP; P14787; 1AN3.

JR InterPro; IPR003956; FW III-like.

DR InterPro; IPR003961; FW III.

DR Pfam; PF00041; fin3; 2.

DR SMART; SM0060; FN3; 1.

DR SMART; SM0060; FN3; 1.

DR PFOSTITE; PS01322; HEMATOPO_REC_L F1; 1.

DR Receptor; Transmembrane; Glycoprotein; Signal; Repeat.

FT SIGNAL

T 24 BY SIMILARITY

CHAIN 25 S81 BYTRACELLULAR (POTENTIAL).

235 258 CYTRONECTIN TYPE-III 1.

FIBRONECTIN TYPE-III 2.

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N-LINKED (GLCNAC. . .) (POTENTIAL)
N-LINKED (GLCNAC. . .) (POTENTIAL)
975E47CB62CF2BEC CRC64;
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Pred. No. 7.7e-77;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          29;
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/FIId=VSP_001719.
H -> D (IN REF. 3).
E -> D (IN REF. 3).
E -> V (IN REF. 3).
E -> H (IN REF. 3).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       74.2%; Score 865.5; DB 1; Length 70.6%; Pred. No. 1.8e-73;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    34; Indels
                                                                                                                                                                                   HSSP, 145911, 145971.
HSSP, P14787; 1AN3.
InterPro; IPR002996; CRIA.
InterPro; IPR003997; FN III-like.
InterPro; IPR003528; Hemtopoptn_L_F1.
Pfam, PF0041; fn3; 2.
PROSITE; PS01352; HEMATOPO REC_LF1; 1.
Receptor; Transmembrane; Glycoprotein; Signal; Repeat;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MT -> IM (IN REF. 3).
L -> P (IN REF. 3).
7385C0D6956EE139 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                PROLACTIN RECEPTOR.
EXTRACELLULAR (POTENTIAL)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CYTOPLASMIC (POTENTIAL). FIBRONECTIN TYPE-III 1. FIBRONECTIN TYPE-III 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRLR SHEEP STANDARD; PRT; 581 AA. 046551; 046561; 046569; 046573; 046574; P79203; P79205; 28-PEB-2003 (Rel. 41, Created) 28-PEB-2003 (Rel. 41, Last sequence update) 15-MAR-2004 (Rel. 43, Last annotation update) Prolactin receptor precursor (PRL-R) (OPR).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /FTId=VSP 001718
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SIMILARITY.
SIMILARITY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  27; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           POTENTIAL.
                                                                                                                                                                                                                                                                                                                                                                                                                                 PROBABLE
                                                                                                                         EMBL; AF027403; AAB83999.1; -.
EMBL; AF042780; AAB97748.1; -.
EMBL; AF042780; AAB97747.1; ALT_SEQ.
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128
137
141
157
186
65153 MW;
                                                                                                       EMBL; L02549; AAA51417.1; -.
EMBL; AF027403; AAB83999.1; -
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25337
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257
257
257
258
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137
141
156
186
581 AA;
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TRANSMEM
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DOMAIN
DISULFID
DISULFID
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CARBOHYD
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PRLR_SHEEP
ID_PRLR_S1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MEDIJUE=98001468; PubMed=9343303; Bignon C., Binart N., Ormandy C., Schuler L.A., Kelly P.A., Djiane J.; Bignon C., Binart N., Ormandy C., Schuler L.A., Kelly P.A., Djiane J.; "Long and short forms of the ovine prolactin receptor: cDNA cloning and genomic analysis reveal that the two forms arise by different alternative splicing mechanisms in ruminants and in rodents."; J. Mol. Endocrinol. 19:109-120(1997).

-!- FUNCTION: This is a receptor for the anterior pituitary hormone
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TISSUB=Mammary gland;
MEDLINES=95296770; Pubmed=7738463;
TChelet A., Staten N.R., Creely D.P., Krivi G.G., Gertler A.;
Extracellular domain of prolactin receptor from bovine mammary gland:
expression in Escherichia coli, purification and characterization of its interaction with lactogenic hormones.";
J. Endocrinol. 144:393-403(1995).
                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE FROM N.A. (ISOFORM LONG).

TISSUB-Endometrium;

MEDLINE=93246019; PubMed=1338725;

Scott P., Kessler, M.A., Schuler L.A.;

"Molecular cloning of the bovine prolactin receptor and distribution of prolactin and growth hormone receptor transcripts in fetal and
                                                                                                                                                                                                                                                                                            Bos taurus (Bovine).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Cetartiodactyla; Ruminantia; Pecora; Bovoidea;
Bovidae; Bovinae; Bos.
NCBI_TaxID=9913;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SIMILARITY: Belongs to the type I cytokine family of receptors.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               IsoId=028172-2; Sequence=VSP 001718, VSP 001719; TISSUS SPECIFICITY: Expressed in all tissues examined; liver, peripheral blood lymphocytes, endometrium, corpus luteum, intestine, fetal thymus, fetal spleen, fetal liver and fetal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TISSUE-Endometrium;
MEDLINE-97375450; PubMed-9231767;
Schuler L.A., Nagel R.J., Gao J., Horseman N.D., Kessler M.A.;
"Prolactin receptor heterogeneity in bovine fetal and maternal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE FROM N.A. (ISOFORM SHORT), AND TISSUE SPECIFICITY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Subfamily 1. SIMILARITY: Contains 2 fibronectin type III domains.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE OF 25-234 FROM N.A., AND SEQUENCE OF 25-33.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    prolactin.
SUBCELLULAR LOCATION: Type I membrane protein.
TITERNATIVE PRODUCTS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Event=Alternative splicing; Named isoforms=2;
                                                                                                                                           PRLR_BOVIN STANDARD; PRT; 581 AA. Q28172; 01880; 046591; 01-NOV-1997 (Rel. 35, Created) 11-NOV-1997 (Rel. 35, Last sequence update) 15-WAR-2004 (Rel. 43, Last annotation update) Projactin receptor precursor (PRL-R).
  EIHFAGOQTEFKILSLHPGQKYLVQVRCKPD 210
                        IsoId=Q28172-1; Sequence=Displayed;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mol. Cell. Endocrinol. 89:47-58(1992).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Endocrinology 138:3187-3194(1997).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     tissues.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        lacental
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Name=Short;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Name=Long;
180
                                                                                                                  PRIR BOVIN

10 PRIR BOVIN

10 PRIR BOVIN

11 15-MAR-

12 16-MAR-

13 16-MAR-

14 16-MAR-

15 MARINALIN

16 BERTH

17 16-MAR-

18 BERTH

18 BERTH

18 BERTH

18 BERTH

19 BERTH

19 BERTH

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61 SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNA-TQMGSSFSDELYVD 119
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       121 VTYIVEPEPPANLTLELKHPEDRKPYLMIKWSPPTMTDVKSGWFIIQYEIRLKPEKATDW 180
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 MKENDASRVVFILLLFLSVSLLNGGSPPEKPKLVKCRSPGKETFTCWWEPGADGGLPTNY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 MKENVASATVFILLFLNTCLLNGQLPPGKPEIFKCRSPNKETFICWWRPGTDGGLPTNY
                                                                 KGKSEELLRAL -> ISQPSRLVSMF (in isoform
N-LINKED (GLCNAC. . .) (POTENTIAL)
N-LINKED (GLCNAC. . .) (POTENTIAL)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ;
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                                                                                                                                  SEQUENCE FROM N.A., AND ALTERNATIVE SPLICING.

TISSUB-Liver, and Mammary gland;

MEDLINES-88001468; PubMed=9343303,

Bignon C., Binart N., Ormandy C., Schuler L.A., Kelly P.A., Djiane J.;

"Long and short forms of the ovine prolactin receptor: cDNA cloning and senonic analysis reveal that the two forms arise by different alternative splicing mechanisms in ruminants and in rodents.";

J. Mol. Endocrinol. 19:109-120(1997).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TISSUE—Corpus luteum, and Fetal liver;
Anthony R.V., Smith G.W., Duong A., Pratt S.L., Smith M.F.;
"Two forms of the prolactin receptor messenger ribonucleic acid are present in ovine fetal liver and adult ovary.";
Endocrine 3:291-295(1995).
-i- FUNCTION: This is a receptor for the anterior pituitary hormone
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Event-Alternative Splicing; Named isoforms=3;
Name=1; Synonyms=Long, L-OPR;
Isolac46561-1; Squence=Displayed;
Name=2; Synonyms=Short, S-OPR;
Isolac46561-2; Squence=VSP_001732, VSP_001733;
Name=3; Synonyms=Soluble;
Isolac46561-3; Sequence=VSP_001730, VSP_001731;
ISOLAC46561-3; Sequence=VSP_001730, VSP_001731;
ISOLAC46561-3; Sequence=VSP_001730, VSP_001731;
ISOLACAGE SPECIFICITY: Expressed in all tissues examined; pituitary, adrenal gland, ovary and fetal liver.
SIMILARITY: Belongs to the type I cytokine family of receptors.
SUMFamily 1.
SIMILARITY: Contains 2 fibronectin type III domains.
               Ovis aries (Sheep).
Sukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Eutheria, Cetartiodactyla, Ruminantia, Pecora, Bovoidea,
Bovidae, Caprinae, Ovis.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE OF 147-302 FROM N.A., ALTERNATIVE SPLICING, AND TISSUE
                                                                                                                                                                                                                                                                                                                           SEQUENCE OF 61-395 FROM N.A., ALTERNATIVE SPLICING, AND TISSUE
                                                                                                                                                                                                                                                                                                                                                            STRAIN=SCOTTISH blackface; TISSUE-Anterior pituitary; MEDLINE=99049302; PubMed=9832462; Tortonese D.J., Brooks J., Ingleton P.M., McNeilly A.S.; Detection of prolactin receptor gene expression in the sheep pituitary gland and visualization of the specific translation signal in gonadotrophs."; Endocrinology 139:5215-5223 (1998).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                prolactin.
SUBCELLULAR LOCATION: Type I membrane protein.
ALTERNATIVE PRODUCTS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 InterPro; IPR002996; CRIA.
InterPro; IPR008957; FN III-like.
InterPro; IPR003961; FN_III.
InterPro; IPR003528; Hemtopoptn_L_F1.
Pfam; PF00041; fn3; 2.
SMART; SM00060; FN3; 2.
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EMBL; AF041977; AAB96920.1; --
EMBL; AF041977; AAB97082.1; --
EMBL; AF042358; AAB97744.1; --
EMBL; AF042358; AAB97743.1; --
EMBL; AF041978; AAB96765.1; --
EMBL; X10578; CAA71577.1; --
EMBL; Y10808; CAA71576.1; --
HSSP; P14787; LAN3.
                                                                                                      NCBI_TaxID=9940;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CIFICITY
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61 SLIYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNA-TQMGSSFSDELYVD 119
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                                                                                                                                                                                                                                                                         BY SIMILARITY.

BY SIMILARITY.

N-LINKED (GLCNAC. . .) (POTENTIAL).

N-LINKED (GLCNAC. . .) (POTENTIAL).

GOSPERPERFERIKTISCRESPERFFTCWMRBGADGGLPTNYTLIY

RK -> ASLYVPGGKCSSVCTYMAYPFTGHFYLCVDQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 MKENVASATVFTLLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGGLPTNY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Rattus norvegicus (Rat).
Eukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Rattus.
NCBI_TaxID=10116;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /FTId=VSP_001732.
Missing (In isoform 2).
/FTId=VSP_001733.
I -> V (IN REF. 1; AAB97743/AAB97744).
E -> K (IN REF. 2).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   KGKSEELLRAL -> ISQPSRLVSVF (in isoform
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDLINE-91155946; PubMed-2293022;
Shirota M., Banville D., Ali S., Jolicoeur C., Boutin J.M.,
Edery, M., Djiane J., Kelly P.A.,
"Expression of two forms of prolactin receptor in rat ovary and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       .,
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1D PRLR_RAT STANDARD; PC3479; Q63723; Q64274;
DT 01-NOV-1988 (Rel. 09, Created)
DT 01-NOY-1997 (Rel. 35, Last sequence update)
DT 15-NAR-2009 (Rel. 43, Last amocation update)
DT Prolactin receptor precursor (PRL-R) (Lactogen receptor).
PROSITE; PS01352; HEMATOPO REC_LF1; 1.

Receptor; Transmembrane; Glycoprotein; Signal; Repeat;
Alternative splicing.
SIGNAL
25 581 PROLACTIN RECEPTOR.
DOWAIN 259 581 EXTRACELLULAR (POTENTIAL).
TRANSMEM 238 258 POTENTIAL.
DOMAIN 259 581 CYTOPLASMIC (POTENTIAL).
DOMAIN 259 581 CYTOPLASMIC (POTENTIAL).
DOMAIN 259 122 FIBRONBCTIN TYPE-III 1.
DOMAIN 25 122 FIBRONBCTIN TYPE-III 2.
DISULFID 75 86 BY SIMILARITY.
CARBOHYD 75 86 N-LINKED (GLCNAC. ..) (POTENTIAL).
CARBOHYD 132 132 N-LINKED (GLCNAC. ..) (POTENTIAL).
ARRSPLIC 24 66 GGSPPERPKLIKCRSPGRIFTTURNED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     33; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            EC534FDE538837A0 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                           YLLLTVTS (in isoform 3)
/FTId=VSP_001730.
Missing (in isoform 3).
/FTId=VSP_001731.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; Score 863.5; DB 1; Pred. No. 2.8e-73; 28; Mismatches 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            EIHFAGQQTEFKILSLHPGQKYLVQVRCKPD 210
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2
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SEQUENCE FROM N.A. (ISOFORMS 1 AND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mol. Endocrinol. 4:1136-1143(1990)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     387
65235 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      74.18;
70.68;
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581 AA;
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PDPPLELAVEVKOPEDRKPYLWIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEWEIHFAG 185
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BY SIMILARITY.

N-LINKED (GLCNAC. ..).

N-LINKED (GLCNAC. ..).

N-LINKED (GLCNAC. ..) (POTENTIAL).

EVKQLKDKKTYLWVKWSPPT -> DYRWEVSCHQEALPKSA
                                                                                                                                                                                                                                                                                                                                                                                                          /FTIG=WSP 001726.
KGKSEELLSĀLGCQDFPPTSDCEDLLVEFL -> TGSPSKY
KVDLYLALFGGFQKLDNAGELDY (in isoform 3).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SALAFVLLV-LNISLIKGQSPPGKPEIHKCRSPDKETFTCWWNPGTDGGLPTNYSLTYSK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       67 EGETLMHECPDYITGGPNSCHFGKOYTSMWRTYIMWWAT-OMGSSFSDELYVDVTYIVO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       7 SATVFILLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGGLPTNYSLTYHR
                                                                                                                                                POTENTIAL.

PROLACTIUR RECEPTOR.

EXTRACELLULAR (BY SIMILARITY).

BY SIMILARITY.

CYTOPLAMIC (BY SIMILARITY).

FIBRONECTIN TYPE-III 1.

FIBRONECTIN TYPE-III 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Q -> E (IN REF. 2).
A -> G (IN REF. 2).
C -> M (IN REF. 2).
C -> M (IN REF. 2).
A -> M (IN REF. 2).
A -> M (IN REF. 2).
A -> M (IN REF. 2).
 InterPro; IPR002996; CRIA.
InterPro; IPR008957; FN III-like.
InterPro; IPR003956; FN III-like.
InterPro; IPR003528; Hemtopoptn_L_F1.
Pfam; PF00041; fn3; 2.
SWART; SM00060; FN3; 2.
SWART; SM00060; FN3; 2.
Receptor; Transmembrane; Glycoprofein; Signal; Repeat; Alternative splicing; 3D-structure.
                                                                                                                                                                                                                                                                                                                                                                                                                                                           /FTId=VSP_001727.
Missing (in isoform 3).
FTId=VSP_001728.
Missing (in isoform 4).
/FTId=VSP_001729.
                                                                                                                                                                                                                                                                                                                                                                                            Missing (in isoform 2).
                                                                                                                                                                                                                                                                                                                                                                KLN (in isoform 2).
/FTId=VSP 001725.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       V -> A (IN REF. 2)
G -> V (IN REF. 2)
E -> K (IN REF. 1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIR MOUSE STANDARD, PRT; 608 AA. 008501; P15212; P15213; Q62009; 01-APR-1990 (Rel. 14, Created) 01-FEB-1995 (Rel. 31, Last sequence update) 15-MAR-2004 (Rel. 43, Last annotation update) PRIR.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      71.8%; Score 837; DB 72.7%; Pred. No. 9e-71 Live 20; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      QQTEFKILSLHPGQKYLVQVRCKPD 210
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3445
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68599 MW;
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345
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610 AA;
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149; Conserv
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                                                                                                                                                                                                                                                                                                                                      TISSUE=Lymphoma;
MEDLINE=2924884;
MEDLINE=2924884;
Ali S., Pelligrini I., Kelly P.A.;
"A prolactin-dependent immune cell line (Nb2) expresses a mutant form of prolactin receptor.";
J. Biol. Chem. 266:20110-20117(1991).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDLINE=88165059; PubMed=2832068;
Boutin J.-M., Jolicoeur C., Okamura H., Gagnon J., Edery M.,
Boutin J.-M., Jolicoeur C., Okamura H., Diane J., Kelly P.A.;
"Cloning and expression of the rat prolactin receptor, a member of the growth hormone/prolactin receptor gene family.";
Cell 53:69-77(1988).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Name-4; Synonyms-NB2;
IsoId=P05710-4; Sequence=VSP_001729;
SIMILARITY: Belongs to the type I cytokine family of receptors.
            MEDLINE=90241201; PubMed=2159291; Zhang R., Buczko E., Tsai-Morris C.-H., Hu Z.Z., Dufau M.L.; Zhang R., Buczko E., Tsai-Morris C.-H., Hu Z.Z., Dufau M.L.; Isolation and characterization of two novel rat ovarian lactogen receptor cDNA species. Commun. 168:415-422(1990).
                                                                                                                             Banville D., Stocco R., Murthy K.K., Boie Y., Kelly P.A.; Submitted (MAR-1996) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Subfamily 1.
SIMILARITY: Contains 2 fibronectin type III domains.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Name=2; Synonyms.Short;
IsoId=P05710-2; Sequence=VSP_001725, VSP_001726;
Name=3; Synonyms=Medium;
IsoId=P05710-3; Sequence=VSP_001727, VSP_001728;
                                                                                                                                                                             SEQUENCE FROM N.A. (ISOFORM 3), AND PARTIAL SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      prolactin.
SUBCELLULAR LOCATION: Type I membrane protein.
ALTERNATIVE PRODUCTS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Event=Alternative splicing; Named isoforms=4;
Name=1; Synonyms=Long;
IsoId=P05710-1; Sequence=Displayed;
TISSUE=Ovary;
                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE FROM N.A. (ISOFORM 4).
MEDLINE=95014432; Pubmed=7929319;
                                                                                                                                                                                                                                                                                                                          SEQUENCE FROM N.A. (ISOFORM 4).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            EMBL; M34083; AAA79273.1; --
EMBL; L48060; AAA79274.1; --
EMBL; U34730; AAA41937.1; --
EMBL; M19304; AAA41946.1; --
EMBL; U07567; AAA41946.1; --
                                                                                                              SEQUENCE OF 281-610 FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              EMBL; M57668; AAA41938.1; -.
STRAIN=Sprague-Dawley;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PIR; A29884; A29884.
PIR; A34631; A34631.
PIR; A41070; A41070.
PIR; B34631; B34631.
PDB; 1F6F; 20-DEC-00.
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125

Mus musculus (Mouse)

99 61

Gaps

DB 1; Length 610; 9e-71; 34; Indels

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                                                                 SEQUENCE FROM N.A. (ISOFORM PRL-R3).
STRAIN=C3F, TISSUE-Mammary gland;
MEDLINE=94085788; PubMed=8262385;
Moore R.C., Oka T.;
Mooring and sequencing of the cDNA encoding the murine mammary gland long-form prolactin receptor.";
Gene 134:263-265(1993).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 IsoId=Q08501-3; Sequence=VSP_001721, VSP_001722;
--- SIMILARITY: Belongs to the type I cytokine family of receptors. Subfamily 1.
--- SIMILARITY: Contains 2 fibronectin type III domains.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mol. Endocrinol. 3:674-680(1989).
-!- FUNCTION: This is a receptor for the anterior pituitary hormone
                                                                                                                                                                                                                          STRAIN=Swiss Webster; TISSUE=Liver;
MEDILNE=23307149; PubMed=819571;
Clarke D.L., Linzer D.H.;
"Changes in prolactin receptor expression during pregnancy in the
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Musinae, Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Davis J.A., Linzer D.I.H.; "Expression of multiple forms of the prolactin receptor in mouse
                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE FROM N.A. (ISOFORM PRL-R3).
STRAIN=BALB/G; TISSUB=Mammary gland;
Edery M., Pezet A., Nandl S., Kelly P.A.;
Submitted (UN-1993) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                 Sasaki M.;
Submitted (JUL-1992) to the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Name=PRL-R1;
IsoId=Q08501-2; Sequence=VSP_001723, VSP_001724;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        prolactin.
SUBCELLULAR LOCATION: Type I membrane protein.
ALTERNATIVE PRODUCTS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Event=Alternative splicing; Named isoforms=3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE FROM N.A. (ISOFORMS PRL-R2 AND PRL-R1).
STRAIN=Swiss Webster; TISSUE=Liver;
MEDLINE=89261824; PubMed=2725531;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                IsoId=008501-1; Sequence=Displayed;
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                                                                                                                                                                                                          SEQUENCE FROM N.A. (ISOFORM PRL-R3)
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InterPro; IPR002996; CR1A.
InterPro; IPR008957; FN III-like.
InterPro; IPR003961; FN_III.
                                                                                                                                                                                                                                                                                              mouse_ovary.";
Endocrinology 133:224-232(1993).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 EMEL; L13593; AAC37641.1; -.
EMEL; L14811; AAA02686.1; -.
EMEL; D10214; BAA01066.1; -.
EMEL; X73372; CAA51789.1; -.
EMEL; M2955; AAA39977.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              EMBL; M22958; AAA39976.1;
PIR; 153269; 153269.
PIR; 177524; 177524.
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                               NCBI_TaxID=10090;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Name=PRL-R3;
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67 EGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVDVTYIVQ 125
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           62 BGEKNIYECPDYKTSGPNSCPFSKQYTSIWKIYIIITUNATNEMGSSTSDPLYUDVIYIVE 121
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                                                                                                                                                                                                                                                                                                                                                                                                                                       61
                                                                                                                                                                                                                                        Missing (In isoform PRL-R2).
/FITd=VSP_001722.
KGKSEELLSALGCQDFPPTSDCE -> LWCSILQLTSLVKI
PTTERLCDL (In isoform PRL-R1).
/FITd=VSP_001723.
Missing (In isoform PRL-R1).
/FITd=VSP_001724.
                                                                                                                                                                                                                                                                                                                                                                                                                7 SATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKEIFTCWWRPGTDGGLPTNYSLTYHR
                                                                                                                                                                                                                                                                                                                                                                                                                                    2 SSALAYMILVISISLINGQSPPGKPEIHKCRSPDKETFTCWWNPGSDGGLPTNYSLTYSK
                                                                                                                                                   BY SIMILARITY.

BY SIMILARITY.

N'LINKED (GLCNAC. . .) (POTENTIAL).

N'LINKED (GLCNAC. . .) (POTENTIAL).

N'LINKED (GLCNAC. . .) (POTENTIAL).

KGKSEELLSALG -> VHNKEQLENYVY (in isoform
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Eukaryoča, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Archosauria, Aves, Neognathae, Galliformes, Phasianidae, Phasianinae,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE FROM N.A.
SEQUENCE FROM N.A.
SETRAIN=White leghorn; TISSUE=Kidney;
MEDLINE=93075121; PubMed=1445292;
Tanaka M., Maeda K., Okubo T., Nakashima K.;
"Double antenna structure of chicken prolactin receptor deduced from
                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                        1;
                                                                                                                                                                                                                                                                                                                                                                   DB 1; Length 608;
                                                                            PROLACTIN RECEPTOR.

EXTRACELLULAR (BY SIMILARITY).

BY SIMILARITY.

CYTOPLASMIC (BY SIMILARITY).

FIBRONECTIN TYPE-III 1.

FIBRONECTIN TYPE-III 2.
                                                                                                                                                                                                                                                                                                                                                                                          36; Indels
                                                                                                                                                                                                                                                                                                                    /FTIG=VSP 001724.
L -> F (IN REF. 2).
B8CE202B2EFC9FC6 CRC64;
InterPro; IPR003528; Hemtopoptn_L_F1.
Pfam; PF00041; fn3; 2.
SMART; SM00660; FN3; 2.
PROSITE; PS01352; HEMATOPO REC L_F1; 1.
PROSITE; PROSIDED: Glycoprotein; Signal; Repeat;
                                                                                                                                                                                                                                   /FTId=VSP_001721..
                                                                                                                                                                                                                                                                                                                                                                  Score 813.5; DB 1
Pred. No. 1.4e-68;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            01-JUN-1994 (Rel. 29, Last sequence update)
15-WAR-2004 (Rel. 43, Last annotation update)
Prolactin receptor precursor (PRL-R) (CPRLP).
                                                                                                                                                                                                                                                                                                                                                            69.8%; Scoll No. 1...
69.8%; Pred. No. 1...
17.e. 25; Mismatches
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                                                                                                                                                                                                                           PRL-R2)
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01.JUN-1994 (Rel. 29, Last sequ
15-MAR-2004 (Rel. 43, Last anno
                                                                                                                                                                                                                                                                                                                                             68240 MW;
                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity 69.8
Matches 143; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gallus gallus (Chicken)
                                                                      608
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                                              Receptor, Transmembra
Alternative splicing
                                                                                                                                                                                                                                                                                                                                   558 E
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Q04594;
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                                                                                 CHAIN
DOMAIN
TRANSMEM
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es 117; Conserv
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   This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation - the Buropean Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                     285
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVDVTYIVQPDPPLELAVEVKQPED 141
                                                                                                                                                                                                                                                                                                                                                                                                                                      82
                                                                                                                                                                                                                                                                                                                                                                                                                                               226 SGQSPPEKPTIIKCRSPEKETFTCWWKPGLDGGHPTNYTLLYSKEGEEQVYECPDYRTAG
                                                                                                                                                                                                                                                                                                                                                                                                                                   NGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGGLPTNYSLTYHREGETLMHECPDY1TGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  142 RKPYLWIKWSPPTLIDLKTGWFTLLYBIRLKPBKAAFWEIHFAGOQTBFKILSLHPGQKY
                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
them. Biophys. Res. Commun. 188:490-496(1992). FUNCTION: This is a receptor for the anterior pituitary hormone
                prolactin.
SUBCELLULAR LOCATION: Type I membrane protein.
SIMILARITY: Belongs to the type I cytokine family of receptors.
                                                                                                                                                                                                                                                                                                                                                     (POTENTIAL) . (POTENTIAL) . (POTENTIAL) .
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                                                                                                                                                                                                                                                                                                                                                                                                                    39; Indels
                                      Subfamily 1.
SIMILARITY: Contains 4 fibronectin type III domains.
                                                                                                                                            HSSP, Died71, IBB3.
InterPro; IPR002996; CRIA.
InterPro; IPR003996; PN III-like.
InterPro; IPR003961; FN III.
InterPro; IPR003528; Hemtopoptn_LFI.
Pfam, PR0041; fn3; 4.
PROSITE; PS01352; HEMATOPO_REC_LFI; 1.
Receptor; Transmembrane; Glycoprotein; Signal; Repeat.
                                                                                                                                                                                                                              PROLACTIN RECEPTOR.
EXTRACELLULAR (POTENTIAL)
                                                                                                                                                                                                                                                                                                                                                                                     1C4E75791DCADBE9 CRC64;
                                                                                                                                                                                                                                                    CYTOPLASMIC (POTENTIAL).
FIBRONECTIN TYPE-III 1
FIBRONECTIN TYPE-III 2.
FIBRONECTIN TYPE-III 3.
FIBRONECTIN TYPE-III 4.
                                                                                                                                                                                                                                                                                            BY SIMILARITY.

BY SIMILARITY.

N-LINKED (GLONAC.)

N-LINKED (GLONAC.)
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Matches 117; Conservative 32; Mismatches
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                                                                                                                                       PIR; JQ1655; JQ1655.
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303
315
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831 AA;
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STANDARD;

PRLR_COLLI ID PRLR_COLLI

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       82
                                                                                                                                                                                                                                                                       TISSUE=Cropsac;
MEDLINE=94283267; PubMed=7516866;
Chen X., Horseman N.D.;
Chonig, expression, and mutational analysis of the pigeon prolactin receptor.";
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                                                                                                                                                                                                                                                                                                                                                                                                Endocrinology 135:269-276(1994).
                                                                                                                                                                                                                                                                                                                                                                                                                                                  prolactin.
--- SUBCELLULAR LOCATION: Type I membrane protein.
--- SIMILARITY: Belongs to the type I cytokine family of receptors. Subfamily 1.
--- SIMILARITY: Contains 4 fibronectin type III domains.
                                                                                                                         Columba livia (Domestic pigeon).
Enkaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Archosauria, Aves, Neognathae, Columbiformes, Columbidae, Columba
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      InterPro; PR002996, CRIA.
InterPro; PR008957; FN III-like.
InterPro; IPR008957; FN III-like.
InterPro; IPR008958; Hemtopoptn_L.FI.
Pfan, PR00041; fn3; 4.
PR00050; FN3; 4.
PR00051F3; SR01352; HEMATOPO REC_L.FI; 1.
Receptor; Transmembrane; Glycoprotein; Signal; Repeat.
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FIBRONECTIN TYPE-III 1
FIBRONECTIN TYPE-III 2
FIBRONECTIN TYPE-III 3
FIBRONECTIN TYPE-III 3
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BY SIMILARITY
N-LINKED (GLCNAC.
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; Mismatches 39
01-NOV-1997 (Rel. 35, Created)
01-NOV-1997 (Rel. 35, Last sequence update)
15-MAR-2004 (Rel. 43, Last annotation update)
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                                                                            Prolactin receptor precursor (PRL-R)
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PIR, I50455; IS0455.
HSSP; P16471; 1BP3.
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                                                            PNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVDVTYIVQPDPPLELAVEVKQPED 141
                                                                                                                                                                              RKPYLWIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEWEIHFAGQQTEFKILSLHPGQKY
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TISSUB=Ovary;
TISSUB O.R., You S.K., Foster D.N., el Halawani M.E.;
Submitted (MAR-1995) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              -!- SUBCELLULAR LOCATION: Type I membrane protein.
-!- SIMILARITY: Belongs to the type I cytokine family of receptors.
Subfamily 1.
-!- SIMILARITY: Contains 4 fibronectin type III domains.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                stazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Aves; Neognathae; Galliformes; Phasianidae; Meleagris
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Zhou J.F., Zadworny D., Guemene D., Kuhnlein U., "Molecular cloning, tissue distribution, and expression of the prolactin receptor during various reproductive states in Meleagris
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 EMBL; L76587; AAB01544.1; -...
EMBL; U22947; AAA75038.1; -...
EMBL; U22947; AAA75038.1; -...
EMSL; P16471; 1BP3.
InterPro; IPR002996; CRIA.
InterPro; IPR003961; FN III.-like.
InterPro; IPR003961; FN III.-like.
InterPro; IPR003961; FN III.
EMEM; PF00041; fn3; 4...
SMART; SM00060; FN3; 4...
PROSITE; PS01252; HEMATOPO_REC_LF1; 1...
Receptor; Transmembrane; Glycoprotein; Signal; Repeat.
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PROLACTIN RECEPTOR.
EXTRACELLULAR (POTENTIAL).
POTENTIAL.
CYTOPLASMIC (POTENTIAL).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Q91074; Q91091; Q91092; O1-NOV-1997 (Rel. 35, Created) O1-NOV-1997 (Rel. 35, Last sequence update) O1-NOV-1997 (Rel. 35, Last sequence update) Prolactin receptor precursor (PRL-R) (TPRLR).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Meleagris gallopavo (Common turkey)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           IISSUE=Kidney;
MEDLINE=97057891; PubMed=8902221;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                gallopavo.";
Biol. Reprod. 55:1081-1090(1996)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STANDARD;
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Archosauria; Aves; l
                                                                                                                                                                                                                                                                       LVQVRCKPD
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       79
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LISGGLSPPEKPTITKCRSPEKETFTCWWKPGLDGGHPTNYTLLYSKEGEEQVYECPDYR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PEDRKPYLWIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEWEIHFAGQQTEFKILSLHPG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TGGPNSCHFGKQYTSMWRTYIMWVNAT-QMGSSFSDELYVDVTYIVQPDPPLELAVBVKQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       21 LINGQL-PPGKPEIFKCRSPNKETFTCWWRPGTDGGLPTNYSLTYHREGETLMHECPDYI
                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Orecohromis niloticus (Nile tilapia) (Tilapia nilotica).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Actinopterygii; Neopterygii; Teleostei; Euteleostei; Neoteleostei;
Actanthomorpha; Acanthopterygii; Percomorpha; Perciformes; Labroidei;
Cichlidae; Orecohromis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TISSUE=Kidney;
MEDLINE=95320210; PubMed=7597076;
Sandra O., Sohm F., de Luze A., Prunet P., Edery M., Kelly P.A.;
Sandrasion cloning of a CDNA encoding a fish prolactin receptor.";
"Expression cloning of u.S.A. 92:6037-6041(1995).
-: FUNCTION: This is a receptor for the anterior pituitary hormone
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    prolactin.
--- SUBCELLULAR LOCATION: Type I membrane protein.
--- SUBCELLULAR INCATION: Type I membrane protein.
                                                                                                                                (POTENTIAL).
                                                                                                                                                                                                                                                                                                                                                                                                                              2,
                                                                                                                                                                                                                                                                                                                                                                                 Length 831;
                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Subfamily 1.
                                                                                                                                                                                                                                                                                                                                       220916320F77FAC1 CRC64;
    1 2 m 4
FIBRONECTIN TYPE-III 1.
FIBRONECTIN TYPE-III 3.
FIBRONECTIN TYPE-III 3.
FIBRONECTIN TYPE-III 3.
BY SIMILARITY.
N-LINKED (GLCNAC...)
                                                                                                                                                                                                                                                                                                                                                                                                                              40;
                                                                                                                                                                                                                                                                                                                                                                                 Score 682; DB 1;
Pred. No. 4.3e-56;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             091513;
01-NOV-1997 (Rel. 35, Created)
01-NOV-1997 (Rel. 35, Last sequence update)
01-NOV-2097 (Rel. 43, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        630 AA
                                                                                                                                                                                                                                                                                                                                                                                                                              31; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Prolactin receptor precursor (PRL-R).
                                                                                                                                                                                                                                                                                                                                              94394 MW;
                                                                                                                                                                                                                                                                                                                                                                                      58.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                QKYLVQVRCKPD 210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          :||:||: |||
403 KKYIVQIHCKPD 414
                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches 119; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STANDARD;
                                                                                                                                                                                                                                                                                                                                           831 AA;
                                                                                                                                                                                                                                                                                                                                                                                                              Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE FROM N.A.
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GROWTH HORMONE RECEPTOR. EXTRACELLULAR (POTENTIAL).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            N-LINKED (GLCNAC. . .) (PC
C48750BF9EE4EBDA CRC64;
                                                                                                                                                                                                                                                                                                                                                                         CYTOPLASMIC (POTENTIAL) FIBRONECTIN TYPE-III.
                                                                                                                                                                                                                                                                                                                                                                                                       BY SIMILARITY.
BY SIMILARITY.
BY SIMILARITY.
N-LINKED (GLCNAC.
                                                                                                                                                                 NOSTY, TALLALY, TROUGS96; CRIA, INTERPRO; IPRO02996; CRIA, INTERPRO; IPRO03961; FN III-like. INTERPRO; IPRO03961; FN III.
PETAM; PFO0041; fn3; 1.
SMART; SM00060; FN3; 1.
Receptor; Transmembrane; Glycoprocein; Signal.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ą
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             28; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     EIHFAGQQTEFKILSLHPGQKYLVQVRCK 208
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             68851 MW;
                                                                                                                                      EMBL; U20353; AAA84745.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             72; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STANDARD;
                                                                                                                                                                                                                                                                                                                         611
240
264
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          130
135
174
611 AA;
                                                                                                                                                          P10912; 1AXI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Similarity
                                                                                                                                                                                                                                                                                                                                                           241
265
119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NCBI_TaxID=9031;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Q02092;
01-JUL-1993
                                                                                                                                                                                                                                                                                                                                     DOMAIN
TRANSMEM
DOMAIN
DOMAIN
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CARBOHYD
CARBOHYD
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                                                                                                                                                                                                                                                                                                                                                                                                          DISULFID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CARBOHYD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE
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GHR_CHICK
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FGKQYTSMWRTYIMMVNATQ-MGSSFSDELYVDVTYIVQPDPPLELAVEVKQPEDRKPYL 146
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           205
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      POKPEIFKCRSPNKETFICWWRPGIDGGLPINYSLIYHREGETLMHECPDYIIGGPNSCH 87
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PGKPTEIKCRSPEKETFICWWKPGSDGGLPTTYALYYRKEGSDVVHECPDYHTAGKNSCF 88
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           147 WIKWSPPTLIDLKTGWFTLLYEIRLKPE-KAAEWEIHFAGQQTEFKILSLHPGQKYLVQV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Cheng C.H.K., Shaw P.C., Tsim K.W.K., Lau K.P.,
Submitted (JAN-1996) to the EMBL/GenBank/DDBJ databases.
-!- FUNCTION: This is a receptor for pituitary gland growth hormone.
-!- SUBGULIT: Homodimer (By similarity).
-!- SUBCELLULAR LOCATION: Type I membrane protein.
-!- SIMILARITY: Belongs to the type I cytokine family of receptors.
SUBFAMILY: Contains 1 fibronectin type III domain.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Columba livia (Domestic pigeon).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Archosauria; Avves; Neognathae; Columbiformes; Columbidae; Columba.
                                                                                                                                                                                                                                                                                                                                    BY SIMILARITY.

BY SIMILARITY.

N-LINKED (GLCNAC. .) (POTENTIAL)

N-LINKED (GLCNAC. .) (POTENTIAL)
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Э
                     01-NOV-1997 (Rel. 35, Last sequence update)
15-MAR-2004 (Rel. 43, Last annotation update)
Growth hormone receptor precursor (GH receptor) (Serum binding
                                                                                                                                                                                                                                                                                                                                                                                                                                     ; Score 549.5; DB 1; Length 630;
; Pred. No. 8.1e-44;
26; Mismatches 55; Indels 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       55; Indels
                                                                                                                                                                                                                                                                                                                                                                                            01
70810 MW; A451563F3D12979D CRC64;
                                                                                                                                                                                                                                                                    POTENTIAL.
CYTOPLASMIC (POTENTIAL).
FIBRONECTIN TYPE-III 1.
FIBRONECTIN TYPE-III 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            611 AA.
or send an email to license@isb-sib.ch)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       01-NOV-1997 (Rel. 35, Created)
01-NOV-1997 (Rel. 35, Last seq
15-MAR-2004 (Rel. 43, Last anno
                                                                                                                                                                                                                                                                                                                                                                                                                                                       54.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                     al Similarity 54.6
101; Conservative
                                                                                                                                                                                                                                                                                                                                    37
76
92
101
630 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RCKPD 210
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GHR_COLLI
ID GHR_COLLI
AC Q90375;
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GHR.
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CARBOHYD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        58
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                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local
                                                                                                                                                                                                                                                                                                                    DOMAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    122 YIVQPDPPLELAVEVKQPEDRKPY--LWIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEW 179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  119 BIVLPDPPVHLNWTLLNTSQTGIHGDIQVRWDPPPTADVQKGWITLEYBLQYKEVNBTKW 178
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           63 TYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTY-IMMVNATQMGSSFSDELYVDVT 121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        62
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gallus gallus (Chicken).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Archosauria; Aves; Neognathae; Galliformes; Phasianidae; Phasianinae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (POTENTIAL).
(POTENTIAL).
(POTENTIAL).
(POTENTIAL).
(POTENTIAL).
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01-001-1993 (Rel. 26, Last sequence update)
15-MAR-2004 (Rel. 43, Last annotation update)
Growth hormone receptor precursor (GH receptor) (Serum binding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                25.6%; Score 299; DB 1; Length 611; 34.4%; Pred. No. 2.3e-20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    89; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE FROM N.A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PNSCHFGKQYTSMWRTYIMMVNATQMGSSFSDELYVDVTYIVQPDPPLEL---AVEVKQP 139
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GKPEIFKCRSPNKETFTCWWRPGTDGGL--PTNYSLTYHR----EGETLMHECPDYITGG
                                                                                                                                                                                                                                                                                                                       Craniata; Vertebrata; Euteleostomi;
Sciurognathi; Muridae; Murinae; Rattus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (POTENTIAL).
(POTENTIAL).
(POTENTIAL).
(POTENTIAL).
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             01-AUG-1990 (Rel. 15, Created)
01-AUG-1990 (Rel. 15, Last sequence update)
15-MAR-2004 (Rel. 43, Last annotation update)
15-MAR-2004 (Rel. 44)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                25.0%; Score 291.5; DB 1; Length 638;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           N-LINKED (GLCNAC. . .) (PC
0D8E9AF759A21A3B CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GROWTH HORMONE RECEPTOR. EXTRACELLULAR (POTENTIAL)
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BY SIMILARITY.

BY SIMILARITY.

N-LINKED (GLCNAC. ..) (

N-LINKED (GLCNAC. ..) (

N-LINKED (GLCNAC. ..) (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            POTENTIAL.
CYTOPLASMIC (POTENTIAL)
FIBRONECTIN TYPE-III.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ,2e-19;
                                                                                                                                                                                                [1] -
SEQUENCE FROM N.A.
MEDLINE=89255563; PubMed=2722883;
Mathews L.S., Enberg B., Norstedt G.;
Mathews L.S., Enberg B., Norstedt G.;
"Regulation of rat growth hormone receptor gene (
J. Biol. Chem. 264:9905-9910(1989).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   HIST, PIOST, 1A22.

InterPro; IPRO12996; CRIA.

InterPro; IPRO13961; FN III.

Pfam; PF00041; fn3; 1.

SMART; SM00060; FN3; 1.

RAGSTE; PS601352; HEMALOPO REC L F1; 1.

Receptor; Transmembrane; Glycoprotein; Signal.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       24; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Pred. No. 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       POTENTIAL.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               71236 MW;
                                                                                                                                          Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Rodentia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  EMBL; J04811; AAA41219.1; -.
PIR; A32985; A33505.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     35.4%;
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                                                                                                                          Rattus norvegicus (Rat).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         18
638
2638
2638
2538
1112
1112
1156
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                                                                                                                                                                                   NCBI_TaxID=10116;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        199
266
200
200
200
101
1126
1115
1115
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A EMEL, M74657, AAA40811.;

DR PER, $32823.

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DR InterPro; IPR002955; FW III.like.

DR InterPro; IPR003955; FW III.like.

DR InterPro; IPR00395; FW III.like.

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                                                                                                                                                                                                                                                                       This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its work pron-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         89 GKQYTSMWRTY-IMMVNATQMGSSFSDELYVDVTYIVQPDPPLELAVEVKQPEDRKPY-- 145
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 146 LWIKWSPPTLIDLKTGWFTLLYBIRLKPEKAAEWEIHFAGQQTBFKILSLHPGQKYLVQV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         29 PQISKCRSPELETPSCYW---TDGKVTTSGTIQLLYMKRSDEDWKECPDYITAGENSCYF
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109 ANSCYFNSSYTSIWIPYCIKLTT---NGDLLDEKCFTVDEIVQPDPPIGLNWTLINISLP 165
                                                                 EDRKPYLWIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEWEIHFAGQQTEFKILSLHPGQ 199
                                                                                             GIRGD-IQVSWQPPPSADVLKGWIILEYEIQYKEVNETKWKTMSPIWSTSVPLYSLRLDK 224
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Bos taurus (Bovine).
Sukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Cetartiodactyla; Ruminantia; Pecora; Bovoidea;
Bovidae; Bovinae; Bos.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GLCNAC. .) (POTENTIAL).
                                                                                                                                                                                                                                                                                                                                                 01-NOV-1997 (Rel. 35, Created)
01-NOV-1997 (Rel. 35, Last sequence update)
15-WAR-2004 (Rel. 43, Last annotation update)
Growth hormone receptor precursor (GH receptor) (Serum binding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Subfamily 1. SIMILARITY: Contains 1 fibronectin type III domain.
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GROWTH HORMONE RECEPTOR.
EXTRACELLULAR (POTENTIAL)
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SWART; SM00060; FN3; 1.
PROSITE; PS01352; HEWATOPO REC L F1; 1.
SRECEPLOY; Transmembrane; Glycoprofein; Signal.
SIGNAL
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InterPro; IPR003961; FN_III.
InterPro; IPR003528; Hemtopoptn_L_FI.
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70979 MW;
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HSSP; P10912; 1A22.
                                                                                                                                                                                                                                                                                                              STANDARD;
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EHEVRVRSR 233
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                                                                                                                     166 DIL-VKWEPPPNTDVKMGWILLEYELHYKELNETQWRGMDPLMVTSVPMYSLRLDKEYEV 224
                                                                                                                                                                                                              :| |||:| | : ::
109 YFNSSYTSVWTPYCIKLTS---NGGIVDHKCFSVEDIVQPDPPVGLNWTLLNISLTEIHA
                                                                                           29 GKPEIFKCRSPNKETFTCWWRPGTDGGL--PTNYSLTYHREGETLMHECPDYITGGPNSC
                                                                                                                                                                                                                                                                        144 PYLWIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEWEIHFAGQQTEFKILSLHPGQKYLV
                                                  Gaps
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       Length 634;
                                                  Indels
24.9%; Score 290.5; DB 1 34.6%; Pred. No. 1.5e-19; iive 26; Mismatches 86
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ne : 18 secs
                     Best Local Similarity 34.6
Matches 64; Conservative
                                                                                                                                                                                                                                                                                                                                                              204 QVRCK 208
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Q990wg7 cynops pyrr Q990bf6 xenopus lae Q9pth6 xenopus lae Q9pth6 xenopus lae Q9pth6 xenopus lae Q9de08 oncorthynchu Q90zi6 paralichthy O940pt cyprinus ca Q9fth0 sparus aura Q9fth1 xenopus lae Q9fth1 xenopus lae Q9fth1 xenopus lae Q9fx1 aniuropus lae Q9fx1 cavia porce Q9fx1 cavia porce
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090256 scophthalmu
091421 cavita porce
0902b0 carassius a
0713u1 ctenopharyn
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SEQUENCE FROM N.A.

TISSUE=Breast tumor;

A Trott J.P., Hovey R.C., Koduri S., Vonderhaar B.K.;

TISSUE=Breast tumor;

Trott J.P., Hovey R.C., Koduri S., Vonderhaar B.K.;

Trott J.P., Hovey R.C., Koduri S., Vonderhaar B.K.;

The state of multiple human prolactin receptor variants in breast and colon cancer derived by splicing to exon 11.";

Submitted (MAR-2002) to the EMBL/GenBank/DDBJ databases.

REMBL; AF492470; AAM18048.1;

BEMBL; AF492470; AAM18048.1;

BEMBL; AF492470; AAM18048.1;

GG; GG:00164896; F:hematopoietin/interferon-class (D200-domain. . .; IEA GG; GG:00048872; F:receptor activity; IEA.

BR GG; GG:00048872; F:receptor activity; IEA.

BR InterPro; IPR008957; FW III.

BR InterPro; IPR008957; FW III.

BR InterPro; IPR0089583; Hemtopoptn_L.FI.

BR SMRRT; SM00060; FN3; 2.

BR SMRRT; SM00060; FN3; 2.

BR PROSITE; PS01352; HEMATOPO_REC_L.FI; 1.
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Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
NCBL_TaxID=9606;
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99.1%; Score 1155.5; DB 4; Length 268;
Best Local Similarity 99.5%; Pred. No. 6.6e-109;
Matches 210; Conservative 0; Mismatches 0; Indels 1;
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01-JUN-2002 (TrEMBLrel. 21, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
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Q9cp36 homo sapien
Q9cp36 homo sapien
Q9cp35 homo sapien
Q8c5v4 cebus apell
Q9n017 callithrix
Q16354 homo sapien
Q9cy32 trichcsurus
Q8cy31 mus musculu
Q90121 mus musculu
Q8cy76 homo sapien
Q8td76 homo sapien
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Q8td76 homo sapien
Q8td76 homo sapien
Q9d1w3 ursus marit
Q7t220 gallus gall
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tter than or equal to the score of the result being printed,
ived by analysis of the total score distribution.
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1 MKENVASATVFTLLLFLNTC......KILSLHPGQKYLVQVRCKPD 210
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                                             GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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Q96F36
Q90HJ5
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Q96F34
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Q9C7G1
Q99C7G1
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Maximum DB seq length: 2000000000
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61 SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMWVNAT-QMGSSFSDELYVD 119
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                                                                                                                                                                                                         SEQUENCE FROM N.A.
MEDLINE=20054419; PubMed=10585417;
Kline J.B., Roehrs H., Clevenger C.V.;
"Functional characterization of the intermediate isoform of the human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 MKENVASATVFTLLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGGLPTNY
                                                                                                                     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
NCBL_TaxID=9606;
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                       HSSP; PI6471; IBP3.

GO; GO:0016620; C:membrane; IEA.

GO; GO:0016620; C:membrane; IEA.

GO; GO:0004892; F:hematopoietin/interferon-class (D200-domain.)

GO; GO:0004892; F:hematopoietin/interferon-class (D200-domain.)

InterPro; IPR003996; CRIA.

InterPro; IPR003961; FN III.

InterPro; IPR0039528; Hemtopoptn_L_FI.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        99.1%; Score 1155.5; DB 4; Length 349; 99.5%; Pred. No. 9.1e-109; ive 0; Mismatches 0; Indels 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Trott J.F., Hovey R.C., Vonderhaar B.K.;
"Expression of two novel hPRLR isoforms in breast tumors.";
Submitted (SEP-2001) to the EMBL/GenBank/DDBJ databases.
EMBL; AF416619; AAL23915.1; -.
PIR; A59405; A59405.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                932F200E850CDD27 CRC64;
                   01-MAY-2000 (TrEMBLrel. 13, Created)
01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
01-MAY-2000 (TrEMBLrel. 25, Last annotation update)
Intermediate prolacin receptor isoform.
Homo sapiens (Human).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  01-DEC-2001 (TrEMBLrel. 19, Created)
01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
Prolactin receptor short isoform B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           EIHFAGQQTEFKILSLHPGQKYLVQVRCKPD 211
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Pfam; PF00041; fn3; 2.
SMART; SM00060; FN3; 2.
PROSITE; PS01352; HEMATOPO_REC_L_F1; 1.
                                                                                                                                                                                                                                                                                                prolactin receptor.";
J. Biol. Chem. 274:35461-35468(1999)
EMBL; AF166329; AAD49855.1; -.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                349 AA; 39806 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 99.5
Matches 210; Conservative
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                                          SLIYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVD 119
                                                                               61 SLIYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNATNQMGSSFSDELYVD 120
                                                                                                                       VIYIVQPDPPLELAVEVKQPEDRKPYLWIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEW 179
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1 MKENVASATVFTLLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGGLPTNY 60
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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GO; GO:01016203; C:membrane; IEA.

GO; GO:0104872; F:receptor activity; IEA.

GO; GO:0004872; F:receptor activity; IEA.

GO; GO:0004872; F:receptor activity; IEA.

InterPro; IPR002996; CRIA.

InterPro; IPR003957; FN III.

InterPro; IPR0038957; FN III.

InterPro; IPR003898; Hemtopoptn_L_FI.

SMART; SM00060; FN3; 2.
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Pred. No. 7.2e-109;
0; Mismatches 0; Indels 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TISSUE-Placents;
Trott J.F., Hovey R.C., Vonderhaar B.K.;
Expression of two novel hPRLR isoforms in breast tumors.";
Submitted (SEP-2001) to the EMBL/GenBank/DDBJ databases.
EMBL, AF416618, AAL23914.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          288 AA; 32760 MW; B45203EC045EB417 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                             01-DEC-2001 (TrEMBLrel. 19, Created)
01-DEC-2001 (TrEMSLrel. 19, Last sequence update)
01-0CT-2003 (TrEMBLrel. 25, Last annotation update)
Prolactin receptor short isoform A.
                                                                                                                                                                                                            EIHFAGQQTEFKILSLHPGQKYLVQVRCKPD 210
                                                                                                                                                                                                                                    EIHFAGQQTEFKILSLHPGQKYLVQVRCKPD 211
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Best Local Similarity 99.5%;
Matches 210; Conservative
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PRT;

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120

121 VIYIVQPDPPLNVVVEVKQPEDKKPYLMIKMSPPTLIDLKTGWFTLLYEIQLKPENAEW 180

120 VTYIVQPDPPLELAVBVKQPEDRKPYLWIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEW 179

1 MKENVASATVFTLLFLFLNTCLLNGQSPPGKPEIFKCRSPNKETFTCWWRPGADGGLPTNY 60

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                VTYIVQPDPPLELAVEVKQPEDRKPYLWIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEW 179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 MKENVASATVFTLLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGGLPTNY 60
GO; GO:0016020; C:membrane; IEA.
GO; GO:0004896; F:hematopoietin/interferon-class (D200-domain. . ; IEA.
GO; GO:0004872; F:hematopoietin/interferon-class (D200-domain. . ; IEA.
GO; GO:0004872; F:hematopoietin/interferon-class (D200-domain. . ; IEA.
InterPro; IPR00296; CR1A.
InterPro; IPR003961; FN III.
InterPro; IPR003951; FN III.
InterPro; IPR00352; Hemtopoin_LFI.
Ffam; PR00041; fn3; 2.
PROSITE; PS01352; HEMATOPO_REC_LFI; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Initial studies.";
Submitted (JAN-2003) to the EMBL/GenBank/DDBJ databases.
EMBL; AY227708; AA073437.1;
GO; GO:0016020; C:membrane; IEA.
GO; GO:00064896; F:hematopoietin/interferon-class (D200-domain. , ; IEA.
GO; GO:0004872; F:receptor activity; IEA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 MKENVASATVFTLLEFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGGLPTNY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Rojas-García P.P., Germain A., Torres-Farfan C.L., Richter H.G., Campino C., Seron-Ferre M.J.;
"Expression of prolactin (PRL) receptor in ovary of capuchin monkey.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Cebus apella (Brown-capped capuchin).
Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Primates, Platyrrhini, Cebidae, Cebinae, Cebus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
99.1%; Score 1155.5; DB 4; Length 376;
Best Local Similarity 99.5%; Pred. No. 9.9e-109;
Matches 210; Conservative 0; Mismatches 0; Indels 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 93.4%; Score 1088.5; DB 6; Length 622; Best Local Similarity 91.9%; Pred. No. 1.1e-101; Matches 194; Conservative 8; Mismatches 8; Indels 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                         376 AA; 42639 MW; 112DC2555FBC4601 CRC64;
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01-JUN-2003 (TrENBLrel. 24, Created)
01-JUN-2003 (TrENBLrel. 24, Last sequence update)
01-OCT-2003 (TrENBLrel. 25, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  180 EIHFAGQQTEFKILSIHPGQKYLVQVRCKPD 210
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InterPro; IPR00396; FN III.
InterPro; IPR003961; FN III.
InterPro; IPR003528; Hemtopoptn_LFI.
Pfam; PF00041; fn3; 2.
SWART; SW00060; FN3; 2.
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SEQUENCE
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1 MKENVASATVFILLIFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGGLPTNY

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     120 VIYIVQPDPPLELAVEVKQPEDRKPYLWIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEW 179
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GO: GO:0016/020, C:membrane; IEA.

GO: GO:0004896; F:hematopoietin/interferon-class (D200-domain. . ; IEA.

GO: GO:0004892; F:hematopoietin/interferon-class (D200-domain. . ; IEA.

InterPro: IPR002996; CRIA.

InterPro: IPR003961; FN III-like.

InterPro: IPR003528; Hemtopoptn_L_R1.

Ffam; PF00041; fn3; 2.

SMART; SM00060; FN3; 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDITYMPE 20457117; PubMed=11000523;

Dalrymple A., Edery M., Jabbour H.;

Sequence and functional characterization of the marmoset monkey

Sequence and functional characterization of the marmoset monkey

(Callithrix jacchus) prolactin receptor: comparative homology with the
human long-form prolactin receptor.";

Mol. Cell. Endocrinol. 167:89-97(2000).

EMBL; AJ272217; CAB75847.1;

HSSP; P16471; 1BP3.
                                                                                                                                                                                                                                                                                                01-0CT-2000 (TrEMBLrel. 15, Created)
01-0CT-2000 (TrEMBLrel. 15, Last sequence update)
01-0CT-2003 (TrEMBLrel. 25, Last annotation update)
01-0CT-2003 (TrEMBLrel. 25, Last annotation update)
Prolactin receptor precursor.
Callithix jacohus (Common marmoset).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Platyrrhini; Callitrichidae; Callithrix.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SIGNAL 1 24 POTENTIAL.
CHAIN 25 622 PROLACTIN RECEPTOR.
SEQUENCE 622 AA, 69425 MW, 65F99522C6CD6D86 CRC64;
180 EIHFAGQQTEFKILSLHPGQKYLVQVRCKPD 210
                                                   181 ETHFAGQQTEFKILSLHPGQKYLVQVRCKPD 211
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                                                                                                                                                                                                                                      PRT;
                                                                                                                                                                                                                                      PRELIMINARY;
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SEQUENCE FROM N.A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             144 PYLWIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEWEIHFAGOOTEFKILSLHPGOKYLV 203
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GO, GO:0016020; C:membrane, IEA.
GO, GO:0004896; F:hematopoietin/interferon-class (D200-domain. . .) IEA.
GO, GO:0004812; F:receptor activity; IEA.
InterPro; IPR002996; CRIA.
InterPro; IPR003961; FN_III.
InterPro; IPR003528; Hemtopoptn_L_FI.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       25 QLPPGKPBIFKCRSPNKETFTCWWRPGTDGGLPTNYSLTYHREGETLMHECPDYITGGPN
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                                                                                                                                                                                                                                                                                                                                                                                    Trichosurus vulpecula (Brush-tailed possum).
Bukaryota, Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Metatheria; Diprotodontia; Phalangeridae; Trichosurus.
NCBI_TaxID=9337;
                                                                                                                                                                                                                                                                   Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ch 88.9%; Score 1036.5; DB 4; Length 206; al Similarity 99.5%; Pred. No. 5.6e-97; 186; Conservative 0; Mismatches 0; Indels 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     206 AA; 23950 MW; CED939781B3C804E CRC64;
                                                                                                                 01-NOV-1996 (TrEMBLrel. 01, Created)
01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
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                                                          206 AA
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SMART; SM00060; FN3; 2.
PROSITE; PS01352; HEWATOPO_REC_L_F1; 1.
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                                                          PRT;
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MEDLINE=99236966; PubMed=10221777;
                                                                                                                                                                                                            Prolactin receptor (Fragment).
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                                                          PRELIMINARY;
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                                                                                                                                                                                                                                      Homo sapiens (Ĥuman).
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                                                                                                                                                                                                                                                                                                                             NCBI TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Receptor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NON TER
SEQUENCE
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                                                          016354
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RESULT 7
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                         Q16354
ID Q
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119
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                                                                                                                                                                                                                                                                                                                                                                                                                                  120 VTYIVQPDPPLELAVEVKQPEDRKPYLWIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEW 179
                                                                                                                                                                                                                                                                                                                                                                                                                                                           180
                                                                                                                                                                                                                                                                                                                               60
Demmer J.;
"The prolactin receptor from the brushtail possum (Trichosurus rule prolactin receptor from the brushtail possum (Trichosurus vulpecula): cDNA cloning, expression and functional analysis.";
Mol. cell. Endocrinol. 148:119-127(1999).
EMBL, ARD98049, AAD27039-1, -
HSSP, p16471; 15P3.
GO; GO:0016020; C:membrane; IEA.
GO; GO:0016029; F:herceptor activity; IEA.
InterPro; IPR003961; FN.III-like.
InterPro; IPR003961; FN.III-like.
InterPro; IPR003951; FN.III-like.
InterPro; IPR003528; Hemtopoptn.L.F1.
                                                                                                                                                                                                                                                                                                                                                       9
                                                                                                                                                                                                                                                                                                                               1 MKENVASATVFTLLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGGLPTNY
                                                                                                                                                                                                                                                                                                                                              1 MKENVTSATAFLLLIFLHTTLLNGQSAPGKPKIEKCRSPEKETFTCWWKPGSDGGIPTNY
                                                                                                                                                                                                                                                                                                                                                                                 61 SLIYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVD
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus.
NCBI TaxID=10090,
                                                                                                                                                                                                                                                                          76.2%; Score 888.5; DB 6; Length 625; 73.9%; Pred. No. 2.2e-81; cive 25; Mismatches 29; Indels 1;
                                                                                                                                                                                                                       POTENTIAL.
PROLACTIN RECEPTOR.
2097D72827C9DBB6 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   01-MAR-2003 (TrEMBLrel. 23, Created)
01-MAR-2003 (TrEMBLrel. 23, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      180 EIHFAGQQTEFKILSLHPGQKYLVQVRCKPD 210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     181 ETHFAGQQTQFKIFSLYLGQKYLVEVRCKPD 211
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                292 AA
                                                                                                                                                                   Pfam; PF00041; fn3; 2.
SMART; SM00060; FN3; 2.
PROSITE; PS01352; HEMATOPO_REC_L_F1; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Prolactin receptor related sequence 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRT;
                                                                                                                                                                                                                                                  70539 MW;
                                                                                                                                                                                                                                                                                                    156; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRELIMINARY;
                                                                                                                                                                                                                          24
625
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (Mouse)
                                                                                                                                                                                                                                                  625 AA;
                                                                                                                                                                                                                                                                                        Similarity
                                                                                                                                                                                                             Receptor; Signal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mus musculus
                                                                                                                                                                                                                                                   SEQUENCE
                                                                                                                                                                                                                                                                           Query Match
Best Local S:
Matches 156
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Q8C7G1
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61 SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNA-TQMGSSFSDELYVD
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Alrernative splicing of the prolactin receptor gene generates a 1.7 kb RNA transcript that is linked to prolactin function in the red deer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MENVASRAVFILLIFLASLINGQSPPGKPKIIKCRSPGKETFICWWEPGSDGGLPTNY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 MKENVASATVFTLLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGGLPTNY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               [1]
SEQUENCE FROM N.A.
SEQUENCE FROM N.A.
MEDLINE=99389256; PubMed=9723863;
Jabbour H.N., Clarke L.A., Bramley T., Postal-Vinay M.C., Kelly P.A.,
Jabbour H.N., Clarke L.A., Bramley T., Postal-Vinay M.C., Kelly P.A.,
Jabbour H.N., Clarke L.A., Bramley T., Postal-Vinay M.C., Kelly P.A.,
Bdery M.;
Edery M.;
                                                                                                                                                                                                                                                                                                                                                                                                                           Cerrus elaphus (Red deer).

Eukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Eukaryota; Eutheria; Cetartiodactyla; Ruminantia; Pecora; Cervoldea;

Cervidae; Cervinae; Cervus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   preserved (Trembirel 21, Created)
01-JUN-2002 (Trembirel 21, Created)
01-JUN-2002 (Trembirel 21, Last sequence update)
01-JUN-2003 (Trembirel 24, Last annotation update)
01-JUN-2003 (Trembirel 24, Last annotation update)
Delta 4-delta 7/11 truncated prolactin receptor.
Homo sapiens (Human).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
[13]
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      65.6%; Score 764.5; DB 6; Length 72.9%; Pred. No. 2.1e-69; ive 21; Mismatches 27; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   C020E070D970AC40 CRC64;
                                                                                                                                                                                                                                                                                                         Last sequence update)
Last annotation update)
                                                                                                                                                                                                               198 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GO, GO:0004872; F:receptor activity; IEA.
InterPro; IPR002996; CRIA.
InterPro; IPR003961; FN_III.
InterPro; IPR008957; FN_III-like.
                                                                                                                                                                                                                                                                              Created)
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. MOl. Endocrinol. 21:51-59(1998).
EMBL; Y14753; CAA75048.1; -.
HSSP; P16471; IBP3.
                                    : |:||||||| |||||
188 VFDLYPGQKYLVQTRCKPD 206
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          198 AA; 22652 MW;
192 ILSLHPGOKYLVQVRCKPD
                                                                                                                                                                                                                                                                    01-JAN-1998 (TrEMBLrel. 05, 01-JAN-1998 (TrEMBLrel. 05, 01-OCT-2003 (TrEMBLrel. 25, Soluble prolactin receptor.-PROLACTIN RECEPTOR.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches 132; Conservative
                                                                                                                                                                                                                  PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Pfam; PF00041; fn3; 1.
SMART; SM00060; FN3; 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                      RESULT 11
O18985
ID O18985
                                                                                                                                                                                                                                                    018985;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LAVEVKQPEDRKPYLWIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEWEIHFAGQQTEFK 191
                                                                                                                               ij
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                67
                                                                                                                                                                                                                                                                                                                   67 EGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMUNAT-QMGSSFSDELYVDVTYIVQ 125
                                                                                                                                                                                                                                                                                                                                                        MGD; MGI:97763; PrIr.
GO; GO:0016020; C:membrane; IEA.
GO; GO:0014896; F:hematopoietin/interferon-class (D200-domain. . .; IEA.
GO; GO:0004872; F:receptor activity; IEA.
InterPro; IPR002996; CRIA.
InterPro; IPR003961; FN III.
InterPro; IPR008957; FN III-like.
InterPro; IPR003528; Hemtopoptn_L.F1.
                                                                                                                                                                                           7 SATVFTLLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGGLPTNYSLTYHR 66
                                                                                                                                                                                                                                                       61
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  8 MILVLSISLINGQSPPGKPEIHKCRSPDKETFTCWWNPGSDGGLPTNYSLTYSKEGEKNT
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                                                                                                                                                                                                                            126 PDPPLELAVEVKOPEDRKPYLWIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEWEIHFAG
                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
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                                                                                                                               1;
                                                                  DB 11; Length 292;
                                                                                                                               Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Strausberg R.;
Submitted (APR-2001) to the EMBL/GenBank/DDBJ databases.
EMBL; BC005555; AAH05555.1; -.
EMBL; BC0066522; AAH06652.1; -.
HSSP; P16471; 1BP3
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      33618 MW; 9D60422B59E88A19 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Created)
Last sequence update)
Last annotation update)
                                                               / Match 69.9%; Score 814.5; DB 11;
Local Similarity 69.8%; Pred. No. 2.8e-74;
les 143; Conservative 25; Mismatches 36;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        608 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              186 QQTEFKILSLHPGQKYLVQVRCKPD 210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             01-JUN-2001 (TrEMBLrel. 17, 01-JUN-2001 (TrEMBLrel. 17, 01-OCT-2003 (TrEMBLrel. 25,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity 71.4
Matches 142; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRELIMINARY;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 musculus (Mouse)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Prolactin receptor.
             292 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FROM N.A.
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          SEQUENCE
                                                                         Query Match
                                                                                                                                         Matches
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131 ELAVEVKOPEDRKPYLWIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEWEIHFAGQQTEF 190
                                                                                       61 ELAVEVKQPEDRKPYLWIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEWEIHFAGQQTEF 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TISSUE LIVELY:

MEDINTE=20086668; PubMed=10618652;

A Howell-Skalla L.A., Bunick D., Bleck G.T., Nelson R.A., Bahr J.M.;

The Howell-Skalla L.A., Bunick D., Bleck G.T., Nelson R.A., Bahr J.M.;

The Howell-Skalla L.A., Bunick D., Bleck G.T., Nelson R.A., Bahr J.M.;

The Howell-Skalla L.A., Bunick D., Bleck G.T., Nelson R.A., Bahr J.M.;

The Howell Skalla L.A., Bunick D., Bleck D., Bleck Dolar bear (Ursus americanus) ";

Mol. Reprod. Dev. SS:136-145(2000).

The Horse The Horse Resident D., Breck D., Bre
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Prolactin receptor (Fragment) (Thalarctos maritimus). Usus maritimus (Polar bear) (Thalarctos maritimus). Eukearyota, Metazca; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Carnivora; Fissipedia; Ursidae; Ursus.
                                                                                                                                                                                                                                                                                                                                                                                                 01-WNR-2001 (TrEMBLrel. 16, Created)
01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                     227 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    460 AA.
                                                                                                                                                       191 KILSLHPGQKYLVQVRCKPD 210
                                                                                                                                                                                                      121 KILSLHPGOKYLVOVRCKPD 140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity 75.4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         227
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NCBI TaxID=29073;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            227
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    rissum=Liver;
                                                                                                                                                                                                                                                                                                                                                                          O9GLW3;
01-MAR-2001
01-MAR-2001
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NON TER
NON TER
SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Q7T2Z0
Q7T2Z0;
                                                                                                                                                                                                                                                                                           RESULT 14
Q9GLW3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Loca
Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              72 MHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVDVTYIVQPDPPL 130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          131 ELAVEVKOPEDRKPYLWIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEWEIHFAGOOTEF 190
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             61 BLAVBVKQPEDRKPYLWIKWSPPTLIDLKTGWFTLLYSIRLKPEKAAEWEIHFAGGQTEF 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              72 MHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVDVTYIVQPDPPL 130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9
                                                                                                                                                                                                                                      IEA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TISSUE=Breast tumor;
TISSUE=Breast tumor;
Trott J.F., Hovey R.C., Koduri S., Vonderhaar B.K.;
"Expression of multiple human prolactin receptor variants in breast and colon cancer derived by splicing to exon 11.";
Bublited (WAR-2002) to the EMBL/GenBank/DDBJ databases.
EMBL; AP43069; AAM11661.1;
GO; GO:0016020; C:membrane; IEA.
GO; GO:0004896; F:hematopoietin/interferon-class (D200-domain, ..; IEA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 MHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNATNQMGSSFSDELYVDVTYIVQPDPPL
                                                    Trott J.F., Hovey R.C., Koduri S., Vonderhaar B.K.;
"Expression of multiple human prolactin receptor variants in breast and colon cancer derived by splicing to exon 11.";
Submitted (MAR-2002) to the EMBL/GenBank/DDBJ databases.

EMBL; AF493068; AAM11660.1; -.
GO; GO:0016200; C:membrane; IEA.
GO; GO:0016820; C:membrane; IEA.
GO; GO:0004896; F:receptor activity; IEA.
InterPro; IPR003284; Hematoporactivity; IEA.
InterPro; IPR003288; Hematoporactivity: IEA.
Fam: PF00041; End: 1.
SWART; SM00060; FN3; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 4; Length 197;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 4; Length 217;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                197 AA; 22718 MW; D916BC915621EEEF CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   217 AA; 24773 MW; E59A9BB9016C3397 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              01-JUN-2003 (TrEMBLrel. 21, Last sequence update)
Delta 4-SF1b truncated prolactin receptor.
Bukaryora Mar.
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Pred. No. 7.4e-69;
0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 99.3%; Pred. No. 6.6e-69;
Matches 139; Conservative 0; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       217 AA.
                                                                                                                                                                                                                                                                                                                                                                                        PROSITE; PS01352; HEMATOPO_REC_L_F1; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SMART; SM00060; FN3; 1.
PROSITE; PS01352; HEMATOPO_REC_L_F1; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               InterPro, IPR003961; FN III.
InterPro, IPR003528; Hemtopoptn_L_F1.
Pfam; PF00041; fn3; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Created)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  121 KILSLHPGQKYLVQVRCKPD 140
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01-JUN-2002 (TrEMBLrel. 21,
01-JUN-2003 (TrEMBLrel. 24,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 99.3%;
Matches 139; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRELIMINARY;
SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE FROM N.A.
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                                                                                                                                                                                                                                                                                                                                                                                                                      Receptor.
SEQUENCE
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RESULT 13

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101 MAVNAT-OMGSSFSDELYVDVTYIVOPDPPLELAVEVKOPEDRKPYLWIKWSPPTLIDLK 159
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                                                                                                                                                                                                                                                                          09
                                                                                                                                                                                                  41 KETFTCWWRPGTDGGLPTNYSLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        01-0CT-2003 (TrEMBLrel. 25, Created)
01-0CT-2003 (TrEMBLrel. 25, Last sequence update)
01-0CT-2003 (TrEMBLrel. 25, Last annotation update)
01-0CT-2003 (Fregment).
Prolactin receptor (Fragment).
Gallus gallus (Chicken).
Eukaryota, Metazoa, Chordata; Craniata, Vertebrata; Euteleostomi;
Archosauria, Aves; Neognathae, Galliformes; Phasianidae, Phasianinae,
                                                                                                                                                                                                                                                    | KETFICHWKRPGEDGGLPINYTLIYRKEGETTTHECPDYISSGPNSCYFNKKHTSIWTMYI
                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        160 TGWFTLLYEIRLKPEKAAEWEIHFAGQQTEFKILSLHPGQKYLVQVRCKPD 210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            65.1%; Score 758.5; DB 6; Length 227; 75.4%; Pred. No. 9.8e-69; ive 22; Mismatches 19; Indels 1;
                                                                                                                                     19; Indels
227 AA; 26114 MW; F5E6C5F33B5D5B49 CRC64;
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83 PNSCHEGKQYTSMWRTYIMMYNAT-OMGSSFSDELYVDVTYIVQPDPPLELAVEVKQPED 141
286 PNSCYFDKKHTSFWTIYNITVRATNEMGSNSSDPHYVDVTYIVQPDPPVNVTLELKKFIN 345
                                                                                                                                                                                                                                                                                                         1; Gaps
                                      SEQUENCE FROM N.A.

Hui A.M.Y., Leung F.C.;

Hoi A.M.Y., Leung F.C.;

Submitted (PEB-2003) to the EMBL/GenBank/DDBJ databases.

EMBL, AY237376; AAP49452.1; -.

Receptor. 460

NON_TER 460

SEQUENCE 460 AA; 52901 MW; 947DA92892A19361 CRC64;
                                                                                                                                                 Query Match 59.3%; Score 691.5; DB 13; Length 460; Best Local Similarity 62.4%; Pred. No. 1.4e-61; Matches 118; Conservative 31; Mismatches 39; Indels 1;
                                                                                                                                                                                                                                                                                                                                                               202 LVQVRCKPD 210
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406 IIQIHCKPD 414
Gallus.
NCBL_TaxID=9031;
     OC OX OX OX RAP REP REP DR. XW
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